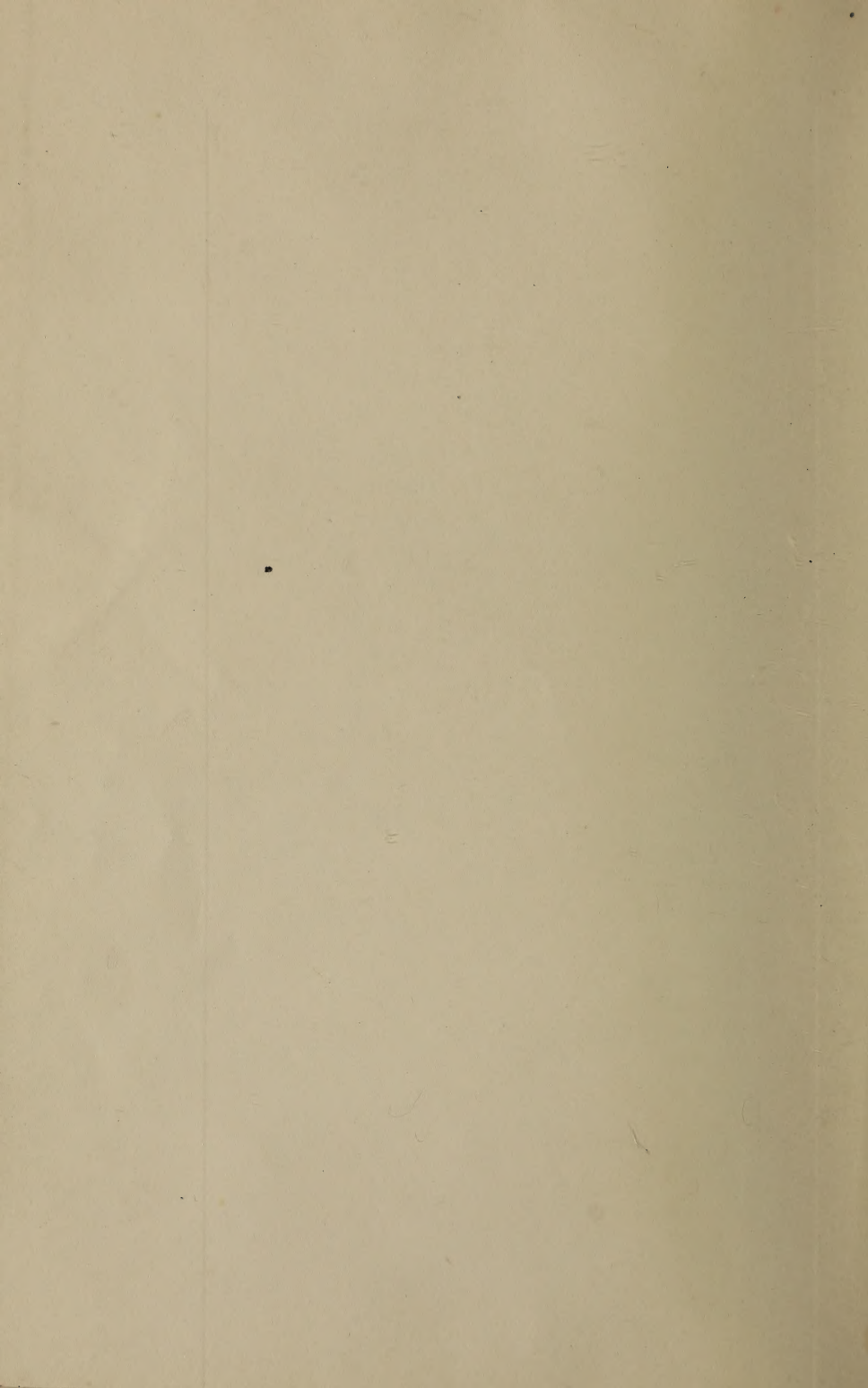






Ontario School
of
Practical Science
Toronto

**FACULTY OF APPLIED SCIENCE AND
ENGINEERING OF THE UNIVERSITY
OF TORONTO**

Class List, 1901

Ontario School

Practical Science

Toronto

UNIVERSITY OF TORONTO
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Class 134-100

J. GALBRAITH, M.A., M. Can. Soc. C.E. *Professor of Engineering (Chairman).*
W. HODGSON ELLIS, M.A., M.B. *Professor of Applied Chemistry.*
A. P. COLEMAN, M.A., Ph. D. *Professor of Assaying and Metallurgy*
L. B. STEWART, O.L.S., D.T.S. *Professor of Surveying and Geodesy*
(Bursar).

ASSISTANT INSTRUCTORS.

MEMBERS OF THE FACULTY OF ARTS WHOSE
CLASSES ARE ATTENDED BY THE REGULAR
STUDENTS OF THE SCHOOL.

W. J. LOUDON, B.A.,	<i>Demonstrator in Physics.</i>
C. A. CHANT, M.A.	<i>Lecturer in Physics.</i>
J. C. McLENNAN, B.A., Ph.D.	<i>Demonstrator in Physics.</i>
ALFRED T. DELURY, B.A.	<i>Lecturer in Mathematics.</i>
J. MCGOWAN, B.A., B.A.Sc.	<i>Fellow in Mathematics.</i>
G. R. ANDERSON, M.A.	<i>Assistant in Physics.</i>
J. S. PLASKETT, B.A.	<i>Assistant in Physics.</i>

RESULTS OF ANNUAL EXAMINATIONS

SESSION 1900-1901.

DEPARTMENTS.

CIVIL ENGINEERING (INCLUDING SANITARY ENGINEERING).

MINING ENGINEERING.

MECHANICAL AND ELECTRICAL ENGINEERING.

ARCHITECTURE.

ANALYTICAL AND APPLIED CHEMISTRY.

DEGREES.

BACHELOR OF APPLIED SCIENCE (B.A.Sc.)

CIVIL ENGINEER (C.E.)

MINING ENGINEER (M.E.)

MECHANICAL ENGINEER (M.E.)

ELECTRICAL ENGINEER (E.E.)

Candidates are arranged alphabetically in the Departments and in the 4th or Post-Graduate year, in two classes, Honors and Pass.

University of Toronto.

FACULTY OF APPLIED SCIENCE AND ENGINEERING.

DEGREE OF C. E. (Civil Engineer.)

Francis, W. J.

McDowall, R.

DEGREE OF M. E. (Mechanical Engineer.)

Johnston, A. C.

DEGREE OF B.A.Sc. (Bachelor of Applied Science.)

Ardagh, E. G. R.

Barley, J. H.

Craig, J. A.

Davison, J. E.

Dickson, G. W.

Foreman, W. E.

Guy, E.

Hemphill, W.

Holcroft, H. S.

Latham, R.

McMillan, J. G.

Neelands, E. V.

Pope, A. S. H.

Roaf, J. R.

Saunders, H. W.

Tennant, W. C.

Thorne, S. M.

Thorold, S. W.

Weir, H. M.

DEGREE OF B.A.Sc. (With Honors.)

Dixon, A. H.

School of Practical Science.

DEPARTMENT OF CIVIL ENGINEERING.

Honors.

THIRD YEAR.	SECOND YEAR.	FIRST YEAR.
Gagné, S. Rust, H. P.	Costin, W. E. Gibson, A. E. Nash, T. S. Ratz, W. F.	Burgess, E. L. Gillespie, P. Henderson, F. D. Jackson, J. H. McAuslan, H. J. McGuire, R. A. Wilson, N. D. Young, C. R.

Pass.

THIRD YEAR.	SECOND YEAR.	FIRST YEAR.
Barrett, R. H. Duff, W. A. Harvey, C. MacMillan, G. Power, G. H. Willson, R. D.	Blair, W. J. Douglas, W. E. McLennan, A. L. Moore, F. A. Morley, R. W. Powell, G. G.	Gardner, J. C. Gordon, J. P. Gzowski, H. N. Hayes, J. L. James, E. A. Johnston, H. McNaughton, A. L. Porte, W. B. Smith, J. H. Stewart, M. A. Waldron, J. Worthington, W. R. Stevens, W. A.

DEPARTMENT OF MINING ENGINEERING.**Honors.**

THIRD YEAR.	SECOND YEAR.	FIRST YEAR.
Eason, D. E.	Christie, W.	Hanes, G. S. Horton, J. A. Montgomery, R. H. Philp, D. H.

Pass.

THIRD YEAR.	SECOND YEAR.	FIRST YEAR.
Hamer, A. T. E. Jackson, F. C. Matheson, W. C. Parsons, J. L. R.	Campbell, A. R. Culbert, M. T. Cuming, R. Edwards, W. M. Empey, J. M. Henry, J. S. Knight, R. H. Moore, H. H. Steele, I. J. Teasdale, C. M.	Corbett, J. T. Coulson, C. L. Fuce, E. O. Hamilton, J. F. Harcourt, F. T. Millar, C. J. Morton, P. E. Plunkett, T. H. Umbach, J. E. Williams, C. G. Young, W. H.

W. Campbell and F. T. Conlon have passed the Second Year, but not having fulfilled the conditions respecting vacation work, their standing in the class is not given.

DEPARTMENT OF MECHANICAL AND ELECTRICAL ENGINEERING.**Honors.**

THIRD YEAR.	SECOND YEAR.	FIRST YEAR.
Chace, W. G. Laidlaw, A. McVean, H. G. Price, H. W.	Barber, H. G. Breslove, J. Hinwood, C. Marrs, C. H. Mathison, P. Sinclair, D. Taylor, T.	Angus, H. H. Gaby, F. A. Latournell, A. J. Miller, M. L. Patten, B. B. Pinkney, D. H. Shipe, H. M. Wass, S. B.

Pass.

THIRD YEAR.	SECOND YEAR.	FIRST YEAR.
Beatty, W. G. Bertram, G. M. Bowers, W. J. Brandon, E. T. Brereton, W. P. Broughton, J. T. Christie, A. G. Cockburn, J. R. Gibson, N. R. Lumbers, W. C. Macdougall, A. C. McMaster, A. T. C. Middleton, H. T. Sauer, M. V. Stevenson, W. H.	Brown, J. M. Connor, H. V. Dunlop, R. J. Elwell, W. George, R. E. Goodwin, A. C. Johnston, D. M. McBride, A. H. MacKay, J. T. Mace, F. G. Madden, J. F. S. Mennie, R. S. Robertson, H. D. Sutherland, W. H. Wanless, A. A. Zahn, H.	Acres, H. G. Beatty, J. A. Bonnell, M. B. Davison, A. E. Depew, H. H. Eakins, S. W. Fensom, C. J. Gray, A. Jackson, J. G. Johnston, C. K. Larkworthy, W. J. McFarlane, J. A. Maus, C. A. Milne, W. G. Mitchell, P. H. Mullins, E. E. Nevitt, I. H. Oliver, J. P. Pace, J. D. Ross, R. B. Small, H. S. Smith, H. G. Trees, S. L. White, H. F.

C. G. Carmichael has passed the Third Year, but not having fulfilled the conditions respecting vacation work, his standing in the class is not given.

DEPARTMENT OF ARCHITECTURE.**Pass.**

THIRD YEAR.	SECOND YEAR.	FIRST YEAR.
		Challies, J. B. Keagey, J. W.

DEPARTMENT OF ANALYTICAL AND APPLIED CHEMISTRY.**Honors.**

THIRD YEAR.	SECOND YEAR.	FIRST YEAR.
	Langmuir, F. L.	

Pass.

THIRD YEAR.	SECOND YEAR.	FIRST YEAR.
		Marriott, F. G.

CERTIFICATE OF MINERALOGY AND ASSAYING.

Hunt, G. A.

CERTIFICATE IN ANALYTICAL AND APPLIED CHEMISTRY.

McCew, J. A., Grad. S.P.S.

PRIZE.

THIRD YEAR.—CIVIL ENGINEERING.

H. P. Rust.

The Prize in Civil Engineering is the gift of T. Kennard Thomson, C.E.,
New York.

STANDING IN SUBJECTS.

DEGREE OF BACHELOR OF APPLIED SCIENCE (B.A.Sc.)

SCHOOL OF PRACTICAL SCIENCE CERTIFICATE.	THESIS.	THERMODYNAMICS AND THEORY OF HEAT ENGINES.
<i>Honors.</i> Dixon, H. A. Tennant, W. C. <i>Pass.</i> Ardagh, E. G. R. Barley, J. H. Craig, J. A. Davison, J. E. Dickson, G. W. Foreman, W. E. Guy, E. Hemphill, W. Holcroft, H. S. Latham, R. McMillan, J. G. Neelands, E. V. Pope, A. S. H. Roaf, J. R. Saunders, H. W. Thorne, S. M. Thorold, F. W. Weir, H. M.	<i>Honors.</i> Craig. Dickson. Foreman. Pope. <i>Pass.</i> Ardagh. Barley. Davison. Dixon. Guy. Hemphill. Holcroft. Latham. McMillan. Neelands. Roaf. Saunders. Tennant. Thorne. Thorold. Weir.	<i>Pass.</i> Barley. Craig. Dickson. Foreman. Guy. Hemphill. Pope.
HYDRAULICS AND WATER MOTORS.	ELECTRICITY.	STRENGTH AND PROPERTIES OF MATERIALS.
<i>Honors.</i> Weir. <i>Pass.</i> Latham. Tennant. Thorold.	<i>Pass.</i> Barley. Craig. Dickson. Foreman. Guy. Hemphill. Pope.	<i>Honors.</i> Latham. Thorold. <i>Pass.</i> Tennant. Weir.

MINERALOGY AND GEOLOGY.	METALLURGY AND ASSAYING.	
<i>Honors.</i> Ardagh. Davison. Dixon. Neelands. Roaf. Saunders. <i>Pass.</i> Holcroft. McMillan. Thorne.	<i>Honors.</i> Ardagh. Dixon. Thorne. <i>Pass.</i> Davison. Holcroft. McMillan. Neelands. Roaf. Saunders.	

III. YEAR.

DRAWING.	THESIS. CIVIL ENGINEERING.	THESIS. MINING ENGINEERING.
Price. McVean. Brereton. Gibson. { Gagné. { Willson. Bertram. Bowers. { Parsons. { Sauer. Rust. { Chace. { Cockburn. Macdougall. Duff. Hamer. Broughton. Christie. MacMillan. Power. Middleton. Lumbers. { Eason. { Matheson. Barrett. Laidlaw. McMaster. Stevenson. Beatty. Harvey. Jackson. Brandon.	Barrett. Rust. Gagné. Duff. MacMillan. Power. Harvey. Willson.	Matheson. Eason. Parsons. Jackson. Hamer.

III. YEAR.

THESIS. MECHANICAL AND ELEC- TRICAL ENGINEERING.	CONSTRUCTION NOTES	FIELD NOTES.
Lumbers. Sauer. Price. { Cockburn. Bowers. Bertram. McVean. { Macdougall. Laidlaw. Broughton. { Chace. Brandon. Christie. Middleton. Stevenson. McMaster. Gibson. Brereton. Beatty.	Price. Christie. { McMaster. McVean. Rust. Bowers. Broughton. Brereton. { Brandon. Sauer. Duff. MacMillan. Eason. { Chace. Laidlaw. Middleton. Bertram. Parsons. Jackson. Stevenson. { Barrett. Power. Gagné. Cockburn. Matheson. Lumbers. Gibson. Harvey. Beatty. Macdougall. Hamer. Willson.	Duff. Eason. { Hamer. Parsons. Power. Rust. Barrett. Matheson. { Harvey. MacMillan. Gagné. Jackson. Willson.

III. YEAR.

EXPERIMENTAL PHYSICS, CIVIL ENGINEERING.	EXPERIMENTAL PHYSICS, MECHANICAL AND ELEC- TRICAL ENGINEERING.	PRACTICAL MINERALOGY.
Gagné. Willson. Harvey. Duff. { Power. { MacMillan. Barrett. Rust.	Price. { Chace. { Middleton. { McVean. { Stevenson. { Bowers. { Christie. { Lumbers. { Macdougall. { Brandon. { Brereton. { Gibson. { Sauer. { Cockburn. { Beatty. { McMaster. { Bertram. { Laidlaw. { Broughton.	Matheson. Jackson. Eason. Hamer. Parsons.
PRACTICAL ELECTRICITY.	PRACTICAL CHEMISTRY.	MAGNETISM AND ELECTRICITY.
{ Price. { Laidlaw. { Chace. { Macdougall. Sauer. Bowers. { Lumbers. { McVean. { McMaster. { Middleton. { Gibson. { Bertram. { Christie. { Broughton. Beatty. { Stevenson. { Brandon. { Cockburn. { Brereton.	Eason. Parsons. Hamer. Jackson. Matheson. ASSAYING. { Parsons. { Eason. { Hamer. { Jackson. { Matheson.	Chace. Laidlaw. { Cockburn. { Price. Beatty. Stevenson. McVean. Brereton. Brandon. Bowers. { McMaster. { Gibson. Lumbers. Broughton. Macdougall. Christie. Bertram. Middleton. Sauer.

III. YEAR.

APPLIED CHEMISTRY.	THERMODYNAMICS	HYDRAULICS.
Laidlaw. { Rust. { Eason. { Chace. { McVean. { Barrett. { Lumbers. { Macdougall. { Parsons. { Price. { Cockburn. { Bowers. { Brandon. { Gibson. { MacMillan. { Matheson. { Stevenson. { Willson. { Sauer. { McMaster. { Jackson. { Gagné. { Christie. { Harvey. { Middleton. { Beatty. { Broughton. { Hamer. { Bertram. { Brereton. { Duff. { Power.	McVean. Laidlaw. { Chace. { Price. { Eason. { Brandon. { Gagné. { Stevenson. { Rust. { Brereton. { Christie. { Cockburn. { Sauer. { Parsons. { Barrett. { Beatty. { Lumbers. { Hamer. { McMaster. { Bowers. { Matheson. { Middleton. { Duff. { Jackson. { Gibson. { Macdougall. { MacMillan. { Harvey. { Power. { Broughton. { Bertram. { Willson.	McVean. Eason. Christie. Chace. Laidlaw. Gagné. Jackson. Brandon. Brereton. Lumbers. { Cockburn. { Broughton. { Macdougall. { Rust. { Parsons. { Beatty. { Price. { Stevenson. { Barrett. { Bertram. { Hamer. { Matheson. { Sauer. { MacMillan. { Duff. { Gibson. { Power. { Willson. { Harvey. { Middleton. { McMaster.

III. YEAR.

THEORY OF CONSTRUCTION.	DESCRIPTIVE GEOMETRY	METHOD OF LEAST SQUARES.
Laidlaw. Rust. McVean. Gagné. Christie. Brandon. { Willson. { Brereton. { Hamer. { Parsons. { Jackson. Chace. Eason. Duff. Sauer. Stevenson. Price. { Bowers. { McMaster. Harvey. { Barrett. { Bertram. { Matheson. { Power. Cockburn. Macdougall. Gibson. { Lumbers. { Middleton. Beatty. Broughton. MacMillan.	McVean. Gagné. Brereton. Chace. { Bertram. { Cockburn. Rust. { Bowers. { Price. Christie. { Eason. { McMaster. Broughton. { Brandon. { Duff. { Macdougall. Power. Stevenson. Willson. { Jackson. { Parsons. { Barrett. { Laidlaw. { Harvey. { MacMillan. { Matheson. { Sauer. { Beatty. { Lumbers. { Hamer. { Middleton. Gibson.	Chace. Macdougall. Christie. { Bertram. { McVean. Brereton. Barrett. Laidlaw. Eason. Rust. Hamer. { Gagné. { Parsons. Willson. Brandon. Jackson. { Stevenson. { Beatty. { Broughton. { Sauer. Duff. Harvey. { Bowers. { Middleton. Price. { Gibson. { Matheson. Cockburn. MacMillan. Lumbers. Power. McMaster.

III. YEAR.

CONSTRUCTIVE DESIGN.	THEORY OF COMPOUND STRESS.	MECHANICS OF MACHINERY.
Rust. Gagné. Duff. Power. Harvey. Willson. Barrett. MacMillan.	Chace. McVean. Christie. Macdougall. Rust. Price. Laidlaw. Brandon McMaster. { Sauer. { Cockburn. { Beatty. { Gagné. { Gibson. { MacMillan. { Duff. Stevenson. Brereton. Lumbers. Bertram. Power. { Harvey. { Barrett. { Willson. Middleton. Broughton. Bowers.	Price. McVean. Brandon. Bertram. Christie. Macdougall. Chace. { Beatty. { Laidlaw. Sauer. Lumbers. McMaster. Cockburn. Stevenson. Bowers. Brereton. Middleton. Gibson. Broughton.

III. YEAR.

MACHINE DESIGN.	METALLURGY.	MINERALOGY & GEOLOGY.
Christie. Brereton. Laidlaw. McVean. Chace. Lumbers. Brandon. Cockburn. { Broughton. { Macdougall. { Price. { Beatty. McMaster. Sauer. Gibson. { Bertram. { Stevenson. Bowers. Middleton.	Macdougall. Chace. Eason. MaVean. Matheson. Parsons. Price. { Christie. { Stevenson. Hamer. Laidlaw. Beatty. Middleton. Bowers. Jackson. Sauer. Broughton. Brereton. Cockburn. Bertram. { Brandon. { Gibson. { McMaster. { Lumbers.	Matheson. { Willson. { Eason. Rust. Parsons. Harvey. Barrett. Duff. Gagné. Jackson. Hamer. Power. MacMillan.
		ORE DEPOSITS.
		Parsons. Eason. Matheson. Hamer. Jackson.
MINING AND ORE DRESSING.	SURVEYING AND LEVELLING.	PRACTICAL ASTRONOMY AND GEODESY.
Eason. Matheson. Parsons. Hamer. Jackson.	Jackson. Eason. Hamer. Rust. { Duff. { Gagné. { Barrett. { Willson. Harvey. MacMillan. Power. Parsons. Matheson.	Rust. Duff. Harvey. MacMillan. Willson. Gagné. Barrett. Power.

II. YEAR.

DRAWING.	CONSTRUCTION NOTES.	PRACTICAL CHEMISTRY.
Breslove.	Nash.	Costin.
McBride.	{ Culbert.	{ Empey.
Zahn.	{ Gibson.	{ Langmuir.
Wanless.	Zahn.	Nash.
Gibson.	Ratz.	Douglas.
Mathison.	Breslove.	Steele.
Elwell.	Mathison.	Barber.
Ratz.	McBride.	{ Edwards.
{ Christie.	Robertson, H. D.	{ Taylor.
{ Dunlop.	Mackay, J. T.	{ Christie.
{ Nash.	Elwell.	Sinclair.
{ Mennie.	Henry.	Connor.
{ Moore, H. H.	Moore, H. H.	{ Breslove.
{ Henry.	Moore, F. A.	{ Powell.
{ Marrs.	{ Dunlop.	{ Moore, H. H.
Teasdale.	{ Wanless.	{ Mathison.
Steele.	{ Christie.	{ Sutherland.
Barber.	{ Marrs.	{ Henwood.
Johnston.	{ Taylor.	{ Mackay, J. T.
Robertson, H. D.	Cumming.	{ Moore, F. A.
{ Goodwin.	{ Madden.	{ Blair.
{ Knight.	{ Mace.	{ Knight.
{ Mace.	{ Sinclair.	{ Marrs.
{ Sutherland.	{ Douglas.	{ Teasdale.
{ Costin.	{ Johnston.	{ Cumming.
{ Douglas.	{ Knight.	{ Wanless.
Empey.	{ Barber.	{ Johnston.
Taylor.	{ Empey.	Ratz.
Madden.	{ Connor.	{ Brown.
George.	{ Steele.	{ Goodwin.
Mackay, J. T.	{ Sutherland.	{ Mace.
Henwood.	{ Brown.	{ Robertson, H. D.
Moore, F. A.	{ Mennie.	{ Dunlop.
Culbert.	{ Morley.	{ Madden.
Connor.	Henwood.	{ Henry.
{ Brown.	McLennan.	{ Morley.
{ Campbell, A. R.	Powell.	{ Zahn.
{ Powell.	Goodwin.	{ George.
Sinclair.	Campbell, A. R.	{ Mennie.
Cumming.	Costin.	{ Culbert.
Blair.	George.	{ Elwell.
McLennan.		{ Gibson.
Edwards.		{ Campbell.
Morley.		{ McLennan.
		{ McBride.

II. YEAR.

EXPERIMENTAL PHYSICS. MECHANICAL AND ELECTRIC ENGINEERING.	EXPERIMENTAL PHYSICS. CIVIL AND MINING ENGINEERING.	PRACTICAL ELECTRICITY.
Marrs. Barber. Elwell. Johnston. Breslove. Goodwin. { Connor. { Henwood. { McBride. { Mathison. { Mackay, J. T. { Zahn. { Wanless. { Dunlop. { Sinclair. { Taylor. { Sutherland. { Brown. { Robertson, H. D. { Mace. { Mennie. { George. { Madden. { Langmuir.	{ Christie. { Cumming. . { Knight. { Henry. { Gibson. { Powell. { Steele. { Blair. { Moore, H. H. { Costin. { Douglas. { Empey. { Culbert. { Teasdale. { McLennan. { Edwards. { Nash. { Morley. { Moore, F. A. { Ratz. { Campbell, A. R.	Breslove, Barber. Sutherland. { Marrs. { Johnston. { Mathison. { Elwell. { Henwood. { Madden. { Taylor. { Sinclair. { McBride. { Goodwin. { Dunlop. { Langmuir. { Connor. { Mace. { Robertson, H. D. { Mackay, J. T. { Wanless. { Zahn. { Mennie. { George. { Brown.

II. YEAR.

THESIS. CIVIL ENGINEERING.	THESIS. MINING ENGINEERING.	THESIS. MECHANICAL AND ELEC- TRICAL ENGINEERING.
Nash. Powell. Ratz. Douglass. Gibson. Moore, F. A. Blair. Costin. McLennan. Morley. Moore, H. H.	Christie. Cumming. Empey. Culbert. Henry. Campbell. Teasdale. Knight. Edwards. Steele. Moore, H. H.	{ Breslove. McBride. Zahn. Barber. Mathison. Elwell. Goodwin. Henwood. Mackay, J. T. Taylor. Dunlop Sutherland. Johnston. George. Sinclair. Madden. Wanless. Mace. Marrs. Robertson, H. D. Brown. Mennie. Connor.
THESIS. ANALYTICAL AND APPLIED CHEMISTRY.		
Langmuir.		
FIELD NOTES.	PRACTICAL LITHOLOGY.	PRACTICAL MINERALOGY.
Gibson. Moore, H. H. { Empey. Knight. Costin. Douglas. Ratz. Teasdale. Culbert. Cumming. Nash. McLennan. Blair. Campbell, A. R. Henry. Steele. Christie. Powell. Edwards. Moore, F. A. Morley.	Culbert. Steele. Henry. Empey. Teasdale. Christie. Edwards. { Knight. Moore. Campbell, A. R. Cumming.	Gibson. Costin. { Christie. Culbert. McLennan. Empey. Cumming. Teasdale. Nash. Moore, H. H. Douglas. Edwards. Steele. Langmuir. Campbell, A. R. Powell. Morley. Henry. Moore, F. A. Ratz. Knight.

II. YEAR.

APPLIED CHEMISTRY.	CALCULUS.	HYDROSTATICS.
Langmuir. { Barber. { Nash. { Sinclair. { Brown. { Christie. { Connor. { Culbert. { Gibson. { Ratz. { Taylor. { Teasdale. { Costin. { Douglas. { McBride. { Marrs. { Powell. { Blair. { Cumming. { Empey. { Mackay, J. T. { Mennie. { Robertson, H. D. { Sutherland. { Breslove. { Goodwin. { Mathison. { Edwards. { Elwell. { Henwood. { Henry. { Moore, F. A. { Steele. { Zahn. { Johnston. { Knight. { McLennan. { Moore, H. H. { Dunlop. { George. { Mace. { Morley. { Wanless. { Madden. { Campbell, A. R.	Christie. Powell. Ratz. Gibson. Sinclair. Henwood. Nash. Costin. Barber. Marrs. Taylor. George. Mathison. Robertson, H. D. McLennan. Zahn. Elwell. Breslove. Campbell, A. R. Sutherland. McBride. Goodwin. Mennie. Brown. Culbert. Empey. Dunlop. Connor. Mace. Steele. Morley. Cumming. Teasdale. Beatty. Douglas. Edwards. Johnston. Blair. Knight. Moore, F. A. Wanless.	Teasdale. Cumming. Christie. Breslove. Sinclair. Taylor. Campbell, A. R. Nash. Culbert. Sutherland. Marrs. { George. { Blair. { Elwell. { Costin. { Gibson. { Madden. { Barber. { Mathison. { Henwood. { Steele. { Connor. { McBride. { Mennie. { Henry. { Johnston. { Dunlop. { Empey. { Goodwin. { Langmuir. { Ratz. { Douglas. { Morley. { Edwards. { Powell. { Mace. { Brown. { McLennan. { Robertson, H. D. { Mackay, J. T. { Zahn. { Wanless. { Knight. { Moore, H. H. { Moore, F. A.

II. YEAR.

OPTICS.	STRENGTH OF MATERIALS.	RIGID DYNAMICS.
Gibson. Breslove. Nash. { Culbert. { Elwell. Barber. Connor. { Mathison. { Teasdale. Langmuir. { Marrs. { Moore, F. A. { Empey. { Ratz. { Sinclair. { Steele. { Costin. { Henwood. Zahn. { Christie. { Sutherland. Goodwin. { George. { Robertson, H. D. { Mennie. { Brown. { Campbell. Mackay, J. T. { McBride. { Taylor. Blair. Powell. Edwards. Henry. Dunlop. Mace. Morley. Douglas. McLennan. Moore, H. H. Knight. Cumming. Madden. Johnston. Wanless.	Barber. Ratz. Christie. Taylor. Costin. Sinclair. Marrs. Mennie. Mathison. George. Sutherland. Henwood. Zahn. { Douglas. { McLennan. Dunlop. Nash. Mackay, J. T. Steele. Campbell, A. R. { Blair. { Culbert. { Breslove. { Mace. { Gibson. { Elwell. { Johnston. { Moore, H. H. Wanless. McBride. Goodwin. Cumming. Douglas. Knight. Henry. Edwards. Connor.	Ratz. Marrs. Barber. { Christie. { Sinclair. Costin. Taylor. Henwood. Nash. Powell. Elwell. { Breslove. { Sutherland. Gibson. Brown. Mathison. Dunlop. Mennie. Goodwin. Blair. Madden. { Culbert. { George. { Douglas. Knight. Steele. Campbell, A. R. Cumming. McBride. Empey. Zahn. Mace. Teasdale. { Mackay, J. T. { Robertson, H. D. { Moore, F. A. Morley.

II. YEAR.

DESCRIPTIVE GEOMETRY. CIVIL AND MINING ENGINEERING.	DESCRIPTIVE GEOMETRY. MECHANICAL AND ELEC- TRICAL ENGINEERING.	SPHERICAL TRIGONOMETRY.
Costin. Nash. Christie. { Culbert. { Gibson. Ratz. Moore, F. A. McLennan. { Edwards. { Knight. { Powell. Steele. Cumming. Morley. Blair. Campbell, A. R. Douglas. Henry. Empey. Moore, H. H.	Taylor. Henwood. Breslove. Madden. McBride. { Mathison. { Sinclair. { Brown. { George. { Barber. { Dunlop. { Sutherland. Robertson, H. D. Marrs. Mennie. Mackay, J. T. Goodwin. Zahn.	Costin. Henwood. Barber. Marrs. Sinclair. Taylor. Sutherland. { Mathison. { Nash. { Christie. Ratz. { George. { Powell. { Robertson. { Steele. Cumming. Campbell, A. R. { Breslove. { Teasdale. { Brown. { Gibson. { Madden. { Goodwin. { Knight. { McBride. { Moore, H. H. { Culbert. { Zahn. { Dunlop. { Moore, F. A. McLennan. Connor. Johnston. Mennie. { Edwards. { Blair. Empey. { Henry. { Mace. { Wanless. { Douglas. { Morley. Elwell. Mackay, J. T.

II. YEAR.

SURVEYING.	METALLURGY.	MINERALOGY & GEOLOGY.
{ Christie. { Costin. { Gibson. { Ratz. Culbert. { Moore, H. H. { Steele. { Campbell. { Powell. { Empey. { Knight. { Cumming. { Nash. Douglas. Blair. Henry. { Morley. { Teasdale. McLennan. Moore, F. A. Edwards.	Christie. Sinclair. Henry. Barber. Henwood. McBride. Moore, F. A. Zahn. Taylor. Nash. Costin. { Elwell. { Breslove. { Langmuir. { Powell. { Culbert. { Goodwin. { Steele. { Mathison. { Marrs. { Blair. { Teasdale. Dunlop. Connor. { Mace. { Wanless. Cumming. Ratz. Madden. Empey. { Mennie. { Brown. { George. { Campbell, A. R. { McLennan. { Moore, H. H. { Knight. { Sutherland. Robertson, H. D. { Douglas. { Edwards. Johnston. { Mackay, J. T. { Morley. Gibson.	Culbert. { Langmuir. { Steele. Christie. { Costin. { Powell. Moore, F. A. Ratz. Moore, H. H. { Gibson. { Henry. Edwards. { Cumming. { Nash. { Teasdale. Blair. { Empey. { Morley.

II. YEAR.

LITHOLOGY.	THEORY OF MECHANISM.	ELECTRICITY.
{ Culbert. { Edwards. Cumming. Henry. Teasdale. Christie. Steele. Empey. Moore, H. A. Knight. Campbell, A. R.	Barber. Breslove. Henwood. Sutherland. Zahn. Marrs. Sinclair. Madden. McBride. Dunlop. Goodwin. { Mathison. { Mennie. Taylor. Elwell. Robertson, H. D. { George. { Brown. Wanless. Johnston. Mackay, J. T. Mace. Connor.	Barber. Sutherland. Goodwin. { Marrs. { Elwell. Taylor. { McBride. { Dunlop. { Mathison. Sinclair. Zahn. Langmuir. George. Mennie. { Breslove. { Henwood. Robertson, H. D. { Wanless. { Mace. { Johnston. Madden. Connor. Brown. Mackay, J. T.
ASTRONOMY.		
Ratz. Gibson. Nash. Moore, F. A. Costin. Powell. Douglas. Blair. McLennan. Morley.		

I. YEAR.

DRAWING.	DRAWING—Continued.	FIELD NOTES—Continued.
Larkworthy. Jackson, J. H. Stewart. Gillespie Young, C. R. Hayes. Henderson. Burgess. Davison. { Gaby. { Pinkney. { Stevens. Challies. Acres. Waldron. Montgomery. Gardner. Maus. { Keagey. { Porte. Johnston, H. { Fuce. { Philp. { Gordon, J. P. { Harcourt. McGuire. McNaughton. Wilson, N. D. Milne. { Coulson. { Smith, H. G. { Hanes. { Pace. Angus. Shipe. { James. { Plunkett. { Corbett. { Gzowski. { McAuslan. { Mitchell. Beatty. { Johnston, C. K. { Williams. { Young, W. H. { Gray. { Morton. { Oliver, J. P. { Patten. { Small. { Wass. { Worthington.	Trees. { McFarlane. { White. Latornell. Miller, M. L. { Bonnell. { Hamilton. { Marriott. Umbach. { Eakins. { Smith, J. H. Mullins. Jackson, J. G. Ross. Millar, C. J. Nevitt. Fensom. Horton. Depew. 	

I. YEAR.

PRACTICAL CHEMISTRY.	PRACTICAL CHEMISTRY.— <i>Continued.</i>	PRACTICAL ELECTRICITY.
Marriott. Larkworthy. Horton. Beatty. { Fuce. { Hanes. { Angus. { Davison. { Maus. { Acres. { Hamilton. { Young, C. R. { Young, W. H. { Umbach. { Latornell. { Eakins. { Fensom. { Gillespie. { Gray. { Johnston, C. K. { Philp. { Corbett. { Williams. { Bonnell. { Gaby. { McFarlane. { Pinkney. { Milne. { Trees. { Montgomery. { Mitchell. { Jackson, J. H. { Henderson. { Plunkett. { Jackson, J. G. { James. { Nevitt. { Harcourt. { Mullins. { Waldron. { Burgess. { Coulson. { Shipe. { Smith, J. H. { Hayes. { McNaughton. { Miller, M. L. { McGuire. { White. { Pace.	{ Smith, H. G. { Small. { Porte. { Worthington. { Gzowski. { Challies. { Oliver, J. P. { Patten. { McAuslan. { Wilson, N. D. { Wass. { Morton. { Stewart. { Gardner. { Ross. { Depew. { Johnston, H. { Keagey. { Gordon, J. P. { Stevens.	Larkworthy. { Milne. { Maus. { Marriott. { Pinkney. { Shipe. { Gaby. { Davison. { Gray. { Beatty. { Acres. { Miller, M. L. { Wass. { McFarlane. { Pace. { Latornell. { Trees. { Smith, H. G. { Small. { Angus. { Johnston, C. K. { Fensom. { Eakins. { Oliver, J. P. { Mullins. { Patten. { White. { Ross. { Mitchell. { Bonnell. { Jackson, J. G. { Depew. { Nevitt.

I. YEAR.

ALGEBRA.	ALGEBRA—Continued.	EUCLID—Continued.
Miller, M. L. Horton. Gillespie. Young, C. R. { Angus. { Burgess. { Latornell. { Wilson. { Wass. { Eakins. { Jackson, J. H. { Shipe. { Pinkney. { Johnston, H. { Plunkett. { McAuslan. { McFarlane. { Fuce. { Gaby. { Montgomery. { McGuire. { Beatty. { Gray. { Patten. { Henderson. { Pace. { Philp. { Small. { Trees. { Smith, H. G. { Davison. { Hanes. { Keagey. { Acres. { Hayes. { Ross. { Coulson. { Larkworthy. { Maus. { Nevitt. { Waldron. { Mullins. { Stewart. { Fensom. { Depew. { Millar, C. J. { Oliver, J. P. { Umbach. { Williams.	{ Morton. { Gardner. { Hamilton. { McNaughton. { Gordon, J. P. { Porte. { White. { James. { Marriott. { Smith, J. H. { Gzowski. { Bonnell. { Challies. { Jackson, J. G. { Mitchell. { Stevens. { Worthington. { Young, W. H. { Johnston, C. K. { Corbett.	{ Beatty. { Eakins. { Philp. { Hanes. { Gray. { Milne. { Williams. { Gaby. { Montgomery. { Plunkett. { Smith, J. H. { Trees. { Bonnell. { Fuce. { Young, W. H. { Davison. { Millar, C. J. { Nevitt. { James. { Stevens. { Stewart. { Challies. { Acres. { Gordon, J. P. { Johnston, C. K. { Maus. { Porte. { Umbach. { McFarlane. { Corbett. { Ross. { Keagey. { Marriott. { Small. { Waldron. { Worthington. { Depew. { Johnston, H. { Pace. { Smith, H. G. { Coulson. { Morton. { Hayes. { White. { Gzowski.
	EUCLID.	
	Horton. Young, C. R. Gillespie. Miller, H. L. Burgess. { Wass. { Wilson. { Angus. { McGuire. { Mitchell. { Jackson, J. H. { McNaughton. { Fensom. { Henderson. { Shipe. { Latornell. { Pinkney. { McAuslan. { Patten. { Hamilton. { Oliver, J. P.	

I. YEAR.

TRIGONOMETRY.	TRIGONOMETRY— <i>Continued.</i>	ANALYTICAL GEOMETRY— <i>Continued.</i>
Young, C. R. Gillespie. { Angus. { Horton. { Pinkney. McAuslan. Wilson, N. D. Jackson, J. H. Shipe. Gaby. Miller, M. L. { Montgomery. { Philp. Wass. Patten. Eakins. Pace. Gardner. McFarlane. { Burgess. { McGuire. Latornell. { Fuce. { Plunkett. { Nevitt. { Ross. { Hanes. { Umbach. Keagey. Mullins. { McNaughton. { Waldron. { Coulson. { Small. { Porte. { Henderson. { Young, W. H. { Marriott. { Trees. { Davison. { Larkworthy. { Smith, H. G. { Williams. { Depew. { Gray. { Maus. { Stewart. { Hayes. { Jackson, J. G.	Challies. Fensom. Beatty. Johnston, H. { Hamilton. { Morton. { Acres. { Bonnell. { Mitchell. { Oliver, J. P. Stevens. { Gordon, J. P. { James. { Milne. { White. Corbett Smith, J. H. Millar, C. J. Worthington.	Waldron. Jackson, J. G. { Challies. { Davison. { Henderson. Shipe. Hanes. { Gardner. { Jackson, J. H. { Philp. { Porte. { Hamilton. { McFarlane. { Ross. { Hayes. { McNaughton. { Mullins. { Johnston, H. { Montgomery. Fuce. { Maus. { Umbach. Depew. Oliver, J. P. { Coulson. { James. { Stevens. { Gray. { Larkworthy. { McGuire. { Acres. { Bonnell. { Johnston, C. K. { Morton. { Young. { Stewart. { Worthington. { Small. { Corbett. { Millar, C. J. { Gordon, H. P. { Milne. { Fensom. { Gzowski. { White. { Mitchell.
	ANALYTICAL GEOMETRY.	
	{ Gillespie. { Wilson, N. D. { McAuslan. { Pinkney. { Angus. { Gaby. { Miller, M. L. { Young, C. R. { Burgess. { Latornell. { Plunkett. { Wass. { Pace. { Smith, H. G. { Beatty. { Keagey. { Nevitt. { Horton. { Patton. { Trees. { Eakins. { Smith, J. H. { Williams.	

I. YEAR.

ELEMENTARY CHEMISTRY.	ELEMENTARY CHEMISTRY —Continued.	DESCRIPTIVE GEOMETRY— Continued.
Young, C. R. Wilson, N. D. { Burgess. { Hanes. { Henderson. { Horton. { Miller, M. L. { Angus. { Gillespie. { Jackson, J. H. { Shipe. { Pinkney. { Larkworthy. { Maus. { Hamilton. { McNaughton. { Patton. { Wass. { McAuslan. { Montgomery. { McGuire. { Davison. { Gardner. { Gordon, J. P. { Jackson, J. G. { Nevitt. { Waldron. { Gaby. { Umbach. { Fuce. { Marriott. { Philp. { Ross. { Williams. { Latornell. { Eakins. { Acres. { Johnston, C. K. { Pace. { Smith, H. G. { Depew. { Beatty. { Gzowski. { James. { McFarlane. { Millar, C. J. { Small. { Smith, J. H. { Young, W. H.	Gray. { Coulson. { Morton. { Trees. { Johnston, H. { Keagey. { Milne. { Plunkett. { Bonnell. { Harcourt. { Hayes. { Corbett. { Mitchell. { Mullins. { Oliver, J. P. { Stevens. { White. { Porte. DESCRIPTIVE GEOMETRY. Gillespie. Wilson, N. D. Latornell. McNaughton. Miller, M. L. Pinkney. { Henderson. { Philp. { Young, C. R. { McAuslan. { Burgess. { Millar, C. J. { Johnston, H. { Patten. { Ross. { Horton. { Nevitt. { Davison. { James. { McGuire. { Shipe. { Acres. { Stewart. { Mitchell.	{ Gardner. { Larkworthy. { Milne. { Waldron. { Hamilton. { Montgomery. { Wass. { Williams. { Beatty. { Angus. { Gaby. { Hanes. { Jackson, J. H. { Smith, H. G. { Eakins. { Umbach. { Coulson. { Fensom. { Plunkett. { Smith, J. H. { Challies. { Fuce. { Jackson, J. G. { Oliver, J. P. { Keagey. { Mullins. { White. { Johnston, C. K. { Porte. { Pace. { Hayes. { Maus. { Small. { McFarlane. { Stevens. { Depew. { Worthington. { Gordon, J. P. { Morton. { Bonnell. { Trees. { Gray. { Young, W. H.

I. YEAR.

STATICS.	STATICS—Continued.	DYNAMICS—Continued.
Henderson. Miller, M. L. Patten. Pinkney. Young, C. R. Horton. Gaby. Jackson, J. H. Nevitt. Wilson, N. D. Angus. Gillespie. Wass. { Burgess. { Harcourt. { Keagey. { Latornell. { McAuslan. { Umbach. Larkworthy. Montgomery. Challies. Davison. Fuce. { Depew. { Mitchell. { Oliver, J. P. { Philp. { McNaughton. { Milne. { Mullins. { Pace. { Stewart. { White. { Shipe. { James. { McGuire. { Fensom. { Gzowski. Waldron.	{ Acres. { Hamilton. { Hayes. { Millar, C. J. { Plunkett. { Smith, H. G. { Williams. Gardner. { Maus. { Morton. { Small. { Beatty. Hanes. DYNAMICS. Wilson, N. D. Horton. { Shipe. { Wass. Young, C. R. McGuire. { Henderson. { Jackson, J. H. { Jackson, J. G. { Pinkney. Williams. Gillespie. Acres. Miller, M. L. { Latornell. { Montgomery. Gardner. McNaughton. { Beatty. { McAuslan. { Mullins. { Nevitt.	{ Angus. { Burgess. { Fuce. { Maus. { Coulson. { Small. { Smith, J. H. { Fensom. { Johnston, H. { Waldron. { Porte. { Ross. { Corbett. { Davison. { Gaby. { Harcourt. { Patten. { Smith, H. G. { Johnston, C. K. Plunkett. Milne. Eakins. { James. { McFarlane. { Pace. { Umbach. { Hamilton. { Hanes. { Millar, C. J. { Marriott. { Keagey. { Larkworthy. { Trees. { Philp. { Stewart. { Worthington. Gray. Gzowski.

I. YEAR.

SURVEYING.	SURVEYING— <i>Continued.</i>	ELECTRICITY AND MAGNETISM— <i>Continued.</i>
{ Burgess. { Gillespie. { Henderson. { Gaby. { Shipe. { Angus. { Pinkney. { Young, C. R. { McAuslan. { Wilson, N. D. { McGuire. { Umbach. { Jackson, J. H. { Plunkett. { Challies. { Fuce. { Miller, M. L. { Latornell. { Eakins. { Wass. { Johnston, H. { Porte. { Fensom. { Waldron. { Hanes. { Philp. { Mitchell. { Small. { Horton. { Montgomery. { Pace. { Gordon, J. P. { Jackson, J. G. { Stewart. { James. { Corbett. { Beatty. { Gardner. { McNaughton. { Mullins. { Oliver, J. P. { Davison. { Maus. { Smith, J. H. { Nevitt. { Worthington. { Keagey. { Smith, H. G. { Hamilton. { Milne.	{ Coulson. { McFarlane. { Acres. { Bonnell. { Patten. { Ross. { White. { Depew. { Hayes. { Larkworthy. { Millar, C. J. { Gzowski. { Johnston, C. K. { Stevens. { Morton. { Gray. { Trees. { Williams. { Harcourt. { Young, W. H.	{ Fensom. { Beatty. { Trees. { Mullins. { McFarlane. { White. { Mitchell. { Ross. { Depew. { Gray. { Small. { Bonnell.
		ELECTRICITY.
	ELECTRICITY AND MAGNETISM.	{ Angus. { Pinkney. { Patten. { Wass. { Gaby. { Fensom. { Shipe. { Latornell. { Mullins. { Eakins. { Milne. { Jackson, J. G. { Small. { McFarlane. { Miller, M. L. { Nevitt. { Smith, H. G. { Acres. { Beatty. { Oliver, J. P. { Pace. { Maus. { Davison. { Depew. { Marriott. { Johnston, C. K. { Bonnell.
	{ Gaby. { Angus. { Miller, M. L. { Pinkney. { Shipe. { Latornell. { Patten. { Nevitt. { Wass. { Warkworthy. { Milne. { Maus. { Acres. { Pace. { Eakins. { Johnston, C. K. { Oliver, J. P. { Jackson, J. G. { Smith, H. G. { Marriott. { Davison.	

I. YEAR.

HEAT.	HEAT— <i>Continued.</i>	PRACTICAL MINERALOGY.
Shipe. { Gillespie. { Horton. { Montgomery. { Fuce. { McAuslan. { McGuire. { Johnston, C. K. { Wilson, H. D. { Gaby. { Larkworthy. { Trees. { Davison. { Jackson, J. H. { Pinkney. { Coulson. { Angus. { Burgess. { Fensom. { Gardner. { Gzowski. { Hamilton. { Hanes. { Henderson. { Small. { Harcourt. { Johnston, H. { Milne. { Patten. { Gordon, J. P. { Hayes. { Pace. { Plunkett. { Eakins. { Jackson, J. G. { McFarlane. { McNaughton. { Morton. { Stewart. { Gray. { Latornell. { Nevitt. { Porte. { Smith, H. G. { Young, C. R. { Wass. { Beatty. { Philp.	{ Challies. { Millar, C. J. { Waldron. { Williams. { Mitchell. { Umbach. { White. { Young, W. H. { Acres. { Corbett. { Maus. { Marriott. { Mullins. { Ross. { Oliver, J. P. { James. { Depew. { Keagey. { Miller, M. L. { Smith, J. H. { Worthington. { Stevens. { Bonnell.	{ Gillespie. { Hayes. { Marriott. { Stewart. { Williams. { Young, C. R. { Henderson. { Plunkett. { Waldron. { Gardner. { Hanes. { Horton. { James. { McAuslan. { Smith, J. H. { Hamilton. { Jackson, J. H. { McNaughton. { Montgomery. { Philp. { Coulson. { Morton. { Stevens. { Wilson, N. D. { Umbach. { Burgess. { Millar, C. J. { Worthington. { Gordon, J. P. { Gzowski. { Fuce. { McGuire. { Porte. { Corbett. { Johnston, H. { Young, W. H. { Harcourt.
	ARCHITECTURAL SKETCHES.	
	Keagey. Challies.	
	HISTORY OF ARCHITECTURE.	
	Keagey. Challies.	

CERTIFICATE IN MINERALOGY AND ASSAYING.

G. A. Hunt passed in the following subjects:—Drawing, Field Notes, Practical Chemistry, Practical Mineralogy, Assaying, Ore Deposits, Mineralogy and Geology, Metallurgy, Applied Chemistry, Mining and Ore Dressing, Surveying and Levelling, and Spherical Trigonometry.

CERTIFICATE IN ANALYTICAL AND APPLIED CHEMISTRY.

J. A. DeCew passed in the following subjects:—Practical Chemistry, Organic Chemistry, Inorganic Chemistry, Chemistry of Cellulose, Chemistry of Wood, Tanning Materials, and Destructive Distillation.

SUPPLEMENTAL EXAMINATIONS PASSED.

First Year Subjects.

Statics.—Alison, Gibson, Morley, Ratz, Robertson, D. F., Gourlay, Campbell, W., Conlon, Cumming, Knight, Teasdale, Brown, Connor, Goodwin, Johnston, Lang, Mennie, Robertson, H. D., Roy, Whelihan, Langmuir, McMaster, Stevenson.

Dynamics.—Gibson, Mackay, J. J., Gourlay, Culbert, Cumming, Teasdale, Breslove, Lang, Mace, Robertson, H. D., Moore, F. A.

Elementary Chemistry.—Mackay, J. J.

Analytical Geometry.—Moore, F. A.

Descriptive Geometry.—Blair, Campbell, W., Edwards.

Practical Mineralogy.—Edwards.

Algebra.—Campbell, A. R., Johnston.

Magnetism and Electricity.—Zahn.

Electricity.—Breslove, Brown, Mackay, J. T., Langmuir.

Surveying.—Zahn.

Second Year Subjects.

Construction Notes.—Chace.

Surveying.—Matheson, W. C.

Strength of Materials.—Duff, Willson, MacMillan, G., Matheson, Parsons, Stevenson.

Mineralogy and Geology.—Duff.

Descriptive Geometry.—Jackson, Brandon.

Optics.—Power.

Theory of Mechanism.—Broughton, Bowers

Metallurgy.—Carmichael.

Calculus.—Beatty, Gibson.

Thesis.—Matheson.

Rigid Dynamics.—Barrett, Gagné, Harvey, MacMillan, G., Power, Parsons, Beatty, Brandon, Gibson, McMaster.

Electricity.—Bowers.

SUPPLEMENTAL EXAMINATIONS TO BE TAKEN.

First Year Subjects.

Statics.—Gordon, J. P., Johnston, H., Porte, Smith, J. H., Worthington, Stevens, Eakins, Corbett, Bonnell, Coulson, Gray, Jackson, J. G., Young, W. H., Johnston, C. K., Ross, Trees, McFarlane, Marriott.

Dynamics.—Alison, Morley, Campbell, A. R., Knight, Beatty, F. R., Mackay, J. T., Bonnell, Depew, Oliver, J. P., White, Mitchell, Gordon, J. P., Hayes, Stevens, Morton, Young, W. H., Challies.

Descriptive Geometry.—Gzowski, Corbett, Harcourt, Marriott.

Algebra.—Milne.

Elementary Chemistry.—Challies, Stewart, Worthington, Burwash, Fensom.

Euclid.—Gardner, Jackson, J. G., Larkworthy, Mullins.

Analytical Geometry.—Harcourt, Henry.

Electricity.—Gray, Larkworthy, Ross, Trees, White, Mitchell.

Trigonometry.—Johnston, C. K., Gzowski.

Practical Chemistry.—Millar, C. J.

Second Year Subjects.

Construction Notes.—Blair, Edwards, Teasdale.

Practical Mineralogy.—Blair.

Calculus.—Moore, H. H., Mackay, J. T., Madden.

Mineralogy and Geology.—Douglas, McLennan, Campbell, A. R., Knight.

Descriptive Geometry.—Teasdale, Connor, Elwell, Johnston, D. M., Mace, Wanless.

Rigid Dynamics.—McLennan, Edwards, Henry, Moore, H. H., Connor, Johnston, D. M., Wanless.

Strength of Materials.—Moore, F. A., Morley, Powell, Madden, Robertson, H. D., Campbell, W., Conlon, Empey, Brown.

Surveying.—Campbell, W.

Hydrostatics.—Conlon.



Ontario
School of Practical Science
TORONTO

FACULTY OF
APPLIED SCIENCE AND ENGINEERING
OF
THE UNIVERSITY OF TORONTO

Class List, 1902.

FACULTY OF THE SCHOOL.

J. GALBRAITH, M.A., M. CAN. SOC. C. E., PRINCIPAL.

MEMBERS OF THE COUNCIL:

J. GALBRAITH, M.A., M. Can. Soc. C.E.	<i>Prof. of Engineering (Chairman).</i>
W. HODGSON ELLIS, M.A., M.B.	<i>Prof. of Applied Chemistry.</i>
A. P. COLEMAN, M.A., Ph.D.	<i>Prof. of Geology.</i>
L. B. STEWART, O.L.S., D.T.S.	<i>Prof. of Surveying and Geodesy (Bursar).</i>
C. H. C. WRIGHT, B.A.Sc., Mem. O.A.A.	<i>Prof. of Architecture.</i>
T. R. ROSEBRUGH, M.A.	<i>Prof. of Electrical Engineering.</i>
J. A. DUFF, B.A., A.M. Can. Soc. C.E.	<i>Lecturer in Applied Mechanics.</i>
G. R. MICKLE, B.A.	<i>Lecturer in Mining.</i>
R. W. ANGUS, B.A.Sc.	<i>Lecturer in Mechanical Engineering.</i>
A. T. LAING, B.A.Sc.	<i>Demonstrator in Surveying (Secy. & Libr.)</i>
J. W. BAIN, B.A.Sc.	<i>Demonstrator in Analytical Chemistry.</i>
W. MONDS, B.A.Sc.	<i>Demonstrator in Mechanical Engineering.</i>

ASSISTANT INSTRUCTORS:

A. H. HARKNESS, B.A.Sc.	<i>Fellow in Civil Engineering.</i>
A. H. A. ROBINSON, B.A.Sc.	<i>Fellow in Mining Engineering.</i>
J. A. CRAIG, B.A.Sc.	<i>Fellow in Mechanical Engineering.</i>
W. G. CHACE, Grad. S. P. C.	<i>Fellow in Electrical Engineering.</i>
E. G. R. ARDAGH, B.A.Sc.	<i>Fellow in Chemistry.</i>
J. T. M. BURNSIDE, B.A.Sc.	<i>Fellow in Drawing.</i>
J. A. DECEW, Grad. S. P. S.	<i>Lecture Assistant in Chemistry.</i>

MEMBERS OF THE FACULTY OF ARTS

Whose Classes are attended by the Regular Students of the School:

JAMES LOUDON, M.A., LL.D.	<i>President and Professor of Physics.</i>
R. RAMSAY WRIGHT, M.A., B.Sc.	<i>Professor of Biology.</i>
ALFRED BAKER, M.A.	<i>Professor of Mathematics.</i>
W. R. LANG, D.Sc.	<i>Professor of Chemistry.</i>
A. B. MCCALLUM, B.A., M.B., Ph.D.	<i>Associate Professor of Physiology.</i>
W. L. MILLER, B.A., Ph.D.	<i>Associate Professor of Physical Chemistry.</i>
W. J. LOUDON, B.A.	<i>Demonstrator in Physics.</i>
C. A. CHANT, M.A.	<i>Lecturer in Physics.</i>
J. C. MCLENNAN, B.A., Ph.D.	<i>Demonstrator in Physics.</i>
ALFRED T. DELURY, B.A.	<i>Lecturer in Mathematics.</i>
E. F. BURTON, B.A.	<i>Fellow in Mathematics.</i>
G. R. ANDERSON, M.A.	<i>Assistant in Physics.</i>
J. S. PLASKETT, B.A.	<i>Assistant in Physics.</i>

RESULTS
— OF —
ANNUAL EXAMINATIONS
Session 1901-1902.

DEPARTMENTS.

CIVIL ENGINEERING.
MINING ENGINEERING.
MECHANICAL AND ELECTRICAL ENGINEERING.
ARCHITECTURE.
ANALYTICAL AND APPLIED CHEMISTRY.

DEGREES.

BACHELOR OF APPLIED SCIENCE (B. A. Sc.)
CIVIL ENGINEER (C. E.)
MINING ENGINEER (M. E.)
MECHANICAL ENGINEER (M. E.)
ELECTRICAL ENGINEER (E. E.)

Candidates are arranged alphabetically in the Departments and in the
4th or Post-Graduate Year, in two classes, Honors and Pass.

University of Toronto.

FACULTY OF APPLIED SCIENCE AND ENGINEERING.

Results of Annual Examinations.

DEGREE OF M.E. (Mechanical Engineer.)

Elliott, H. P.

DEGREE OF B.A.Sc. (Bachelor of Applied Science.)

Barrett, R. H.
Brandon, E. T.
Cockburn, J. R.
DeCew, J. A.
Harvey, C.

Johnston, J. A.
Rust, H. P.
Sauer, M. V.
Stevenson, W. H.
Wright, R. T.

DEGREE OF B.A.Sc. (With Honors.)

Boswell, M. C.
Eason, D. E.
McVean, H. G.

Price, H. W.
Smallpeice, F. C.

A. T. C. McMaster is required to take supplemental examinations in Thermodynamics and Theory of Heat Engines, and H. T. Middleton in Electricity and Magnetism.

School of Practical Science.

Department of Civil Engineering.

HONORS.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Cameron, N. C. Christie, U. W. Code, T. F. Cowan, W. A. Ford, A. L. Hara, L. D. Moorhouse, W. N. Sheply, J. D. Smith, D. A. Townsend, D. T. Walker, E. W. Wells, A. F.	Burgess, E. L. Gillespie, P. Henderson, F. D. Latornell, A. J. Seymour, H. L. Wilson, N. D. Young, C. R.	Gibson, A. E. Nash, T. S. Ratz, W. F.

PASS.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Code, S. B. Cousins, E. L. Dunn, H. C. Foster, W. J. Goodall, J. N. Heron, J. B. Hill, E. M. McEwan, G. G. McMillan, D. O'Brien, E. D. Phillips, E. P. A. Reid, F. B. Robinson, L. Southworth, H. S. Sykes, F. H. Trimble, A. V. Weddell, R. G. Weir, J. M.	Alison, J. G. R. Gardner, J. C. Gordon, J. P. Gourlay, W. A. Hayes, L. J. Jackson, J. H. Johnston, H. McAuslan, H. J. McNaughton, A. L. Oliver, E. W. Robertson, D. F. Smith, J. H. Waldron, J.	Blair, W. J. Douglas, W. E. MacLennan, A. L. Powell, G. G.

Department of Mining Engineering.

HONORS.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Campbell, A. J. Crerar, S. R. Jackson, E. R. MacKenzie, C. M. Parke, J. Raymond, D. L. C. Wade, E.	Montgomery, R. H.	Christie, W. Culbert, M. T. Forbes, D. L. H. Steele, I. J.

PASS.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Allen, C. W. Begg, W. A. Bryce, R. A. Chase, A. V. Chilver, C. H. Chilver, H. L. Coates, P. C. Elder, A. J. Fleck, J. G. Hill, S. Ingles, C. J. Laing, P. A. McEwen, D. F. Ramsey, G. L. Street, P. B. Tait, B. J. Thompson, H. P.	Burd, J. H. Burwash, N. A. Coulson, C. L. Fuce, E. O. Gordon, W. C. Hamilton, J. F. Hanes, G. S. Harcourt, F. Y. Philp, D. H. Plunkett, T. H. Umbach, J. E. Williams, C. G.	Campbell, A. R. Campbell, W. G. Conlon, F. T. Cumming, R. Edwards, W. M. Empey, J. M. Moore, H. H. Teasdale, C. M.

R. H. Knight passed the Third Year, but not having fulfilled the conditions respecting vacation work, his standing in the class is not given.

Department of Mechanical and Electrical Engineering.

HONORS.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Barrett, J. H. Craig, S. E. Gibson, W. S. McGibbon, C. P. Pickering, A. E. Riddell, M. R. Smart, R. S. Thomson, S. E.	Alexander, J. H. Angus, H. H. Gaby, F. A. Maus, C. A. Miller, M. L. Pinkney, D. K. Shipe, H. M. Smith, H. G. Wass, S. B.	Barber, H. G. Dunlop, R. J. Marrs, C. H. Sinclair, D. Taylor, T.

PASS.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Beatty, H. E. Boeckh, J. C. Burley, R. J. Burnham, F. W. Calder, J. W. Campbell, A. M. Currie, W. M. Greenwood, W. K. Harris, C. J. Henderson, T. D. Jermyn, P. V. Johnston, J. W. Keefe, W. S. H. Legge, A. H. McCuaig, O. B. McKay, C. D. Manson, G. J. Moore, E. E. Munro, W. H. O'Sullivan, J. J. Pace, G. Pardoe, W. S. Peaker, W. J. Roxburgh, G. S. Rutherford, F. N. Sauder, P. M. Slater, F. W. Smither, W. J. Townsend, C. J. Tucker, B. B. Watson, J. B. Wright, W. F. Yeates, P. M.	Acres, H. G. Beatty, J. A. Davison, A. E. Fensom, C. J. Jackson, J. G. Johnston, C. K. Lang, A. G. Larkworthy, W. J. McFarlane, J. A. Mitchell, P. H. Mullins, E. E. Oliver, J. P. Pace, J. D. Patton, B. B. Ross, R. B. Small, H. S. Trees, S. L. Whelihan, J. A. White, H. F.	Brown, J. M. Cannnor, H. V. Elwell, W. Goodwin, A. C. Henwood, C. Johnston, D. M. McBride, A. H. Mackay, J. T. Madden, J. F. S. Mathison, P. Mennie, R. S. Robertson, H. D. Sutherland, W. H. Wanless, A. A. Zahn, H.

W. W. Gray and J. Paris are given ægrotat standing in the First Year. H. V. Connor is required to take supplemental examinations in Theory of Construction and Theory of Compound Stress.

Department of Architecture.

PASS.

SECOND YEAR.—Challies, J. B.

Department of Analytical and Applied Chemistry.

HONORS.

THIRD YEAR.—F. L. Langmuir.

PASS.

SECOND YEAR.—F. G. Marriott.

Certificate of Metallurgy and Assaying.

PRIMARY EXAMINATION.—Horton, J.

PRIZE.

THIRD YEAR—CIVIL ENGINEERING.—Ratz, W. F.

The Prize in Civil Engineering is the gift of Mr. T. Kennard Thomson, C.E., of New York.

Standing in Subjects.

DEGREE OF BACHELOR OF APPLIED SCIENCE (B.A.Sc.)

SCHOOL OF PRACTICAL SCIENCE CERTIFICATE.	THESIS.	THERMODYNAMICS AND THEORY OF HEAT ENGINES.
<i>Honors.</i> Boswell, M. C. McVean, H. G. Price, H. W. Smallpeice, F. C.	<i>Honors.</i> Boswell. Cockburn. DeCew. Eason. McVean. Price. Sauer. Smallpeice. Stevenson.	<i>Honors.</i> McVean. Smallpeice.
<i>Pass.</i> Barrett, R. H. Brandon, E. T. Cockburn, J. R. DeCew, J. A. Eason, D. E. Harvey, C. Johnston, J. A. McMaster, A. T. C. Middleton, H. T. Rust, H. P. Sauer, M. V. Stevenson, W. H. Wright, R. T.	<i>Pass.</i> Barett. Brandon. Harvey. Johnston. McMaster. Middleton. Rust. Wright.	<i>Pass.</i> Brandon. Cockburn. Middleton. Price, Sauer. Stevenson. Wright.

HYDRAULICS AND WATER MOTORS.	ELECTRICITY.	STRENGTH AND PROPERTIES OF MATERIALS.
<i>Honors.</i> McVean. Rust. <i>Pass.</i> Barrett.	<i>Honors.</i> Brandon. Cockburn. Price. Sauer. Smallpeice. <i>Pass.</i> McMaster. Stevenson. Wright.	<i>Honors.</i> Rust. <i>Pass.</i> Barrett.
MINERALOGY AND GEOLOGY.	METALLURGY AND ASSAYING.	INDUSTRIAL CHEMISTRY.
<i>Honors.</i> Johnston.	<i>Honors.</i> Johnston.	<i>Honors.</i> Boswell. DeCew. Eason.
INORGANIC & ORGANIC CHEMISTRY.	ASTRONOMY.	GEODESY AND METROLOGY.
<i>Honors.</i> Boswell. Eason. <i>Pass.</i> DeCew.	<i>Pass.</i> Harvey.	<i>Pass.</i> Harvey.

I. Year.

The numerals indicate rank in the Class, H indicates Honors on the total, Ex exemption, and * that a supplemental examination in the subject must be taken.

	<i>Drawing.</i>	<i>Field Notes.</i>	<i>Practical Mineralogy.</i>	<i>Practical Chemistry.</i>	<i>Algebra.</i>	<i>Euclid.</i>	<i>Trigonometry.</i>	<i>Analytical Geometry.</i>	<i>Statics.</i>	<i>Dynamics.</i>	<i>Descriptive Geometry.</i>	<i>Surveying.</i>	<i>Elementary Chemistry.</i>	<i>Heat.</i>	
Civil Engineering.															
Cameron, N. C.	22	19	28	56	37	29	31	27	8	42	47	16	43	80	H
Christie, U. W.	83	12	11	73	13	11	6	7	42	6	25	19	35	16	H
Code, S. B.	24	11	28	12	39	34	13	31	15	9	34	*	32	42	
Code, T. F.	7	7	43	6	26	24	11	6	26	3	2	5	6	8	H
Cousins, E. L.	24	4	28	6	66	62	62	52	56	*	68	24	82	37.	
Cowan, W. A.	4	12	21	12	3	5	6	2	9	17	2	3	15	6	H
Dunn, H. C.	12	19	2	65	80	54	68	82	67	73	52	65	60	42	
Ford, A. L.	59	8	2	56	6	4	3	1	1	14	15	19	64	17	H
Foster, W. J.	30	41	41	60	69	84	44	80	33	61	21	24	*	80	
Goodall, J. N.	66	22	28	44	49	44	85	55	*	*	39	76	89	80	
Hara, L. D.	46	35	11	40	21	10	15	14	15	17	7	16	7	40	H
Heron, J. B.	37	15	11	49	75	40	71	83	81	73	78	71	82	34	
Hill, E. M.	66	2	11	91	71	71	62	66	37	61	63	*	86	80	
McEwan, G. G.	38	35	50	44	45	36	66	27	42	80	12	24	82	74	
McMillan, D.	61	35	21	49	61	44	46	88	56	61	16	57	20	45	
Moorhouse, W. N.	17	12	28	69	14	8	9	14	15	17	21	22	18	17	H
O'Brien, E. D.	85	22	51	80	86	76	78	27	84	73	92	85	69	94	
Phillips, E. P. A.	78	38	42	62	19	40	38	46	56	29	90	33	55	49	
Reid, F. B.	93	26	52	90	24	27	19	55	24	29	85	22	72	67	
Robinson, L.	64	16	21	12	39	42	27	43	75	27	70	6	25	11	
Sheply, J. D.	56	18	35	80	33	19	18	11	64	15	18	24	12	37	H
Smith, D. A.	46	17	4	84	10	29	5	46	45	17	48	38	17	29	H
Southworth, H. S.	70	*	53	92	*	92	80	91	3	84	54	84	95	92	
Sykes, F. H.	85	48	43	62	33	49	14	78	33	70	39	65	35	49	
Townsend, D. T.	91	25	17	62	1	1	15	12	31	11	12	6	2	49	H
Trimble, A. V.	44	27	17	33	51	54	20	49	78	61	63	12	57	17	
Walker, E. W.	11	22	4	33	17	8	38	20	6	8	2	14	1	17	H
Weddell, R. G.	34	8	4	86	*	90	65	85	*	83	89	62	89	95	
Weir, J. M.	49	3	35	12	56	14	69	55	52	25	57	53	62	29	
Wells, A. F.	18	5	1	69	4	5	2	2	12	1	5	1	18	8	H

I. Year.—Continued.

The numerals indicate rank in the Class, H indicates Honors on the total, Ex exemption, and * that a supplemental examination in the subject must be taken.

	<i>Drawing.</i>	<i>Field Notes.</i>	<i>Practical Mineralogy.</i>	<i>Practical Chemistry.</i>	<i>Algebra.</i>	<i>Euclid.</i>	<i>Trigonometry.</i>	<i>Analytical Geometry.</i>	<i>Statics.</i>	<i>Dynamics.</i>	<i>Descriptive Geometry.</i>	<i>Surveying.</i>	<i>Elementary Chemistry.</i>	<i>Heat.</i>	
Mining Engineering.															
Allen, C. W.	87	38	43	49	*	67	87	*	52	77	87	86	69	80	
Begg, W. A.	6	42	19	26	51	76	49	85	75	70	52	*	49	4	
Bryce, R. A.	30	52	37	12	*	61	76	74	78	*	78	72	89	59	
Campbell, A. J.	51	45	43	73	9	24	8	10	5	11	24	33	77	61	H
Chase, A. V.	70	29	19	44	74	86	*	*	78	52	70	76	74	36	
Chilver, C. A.	88	43	11	69	39	42	57	19	24	36	7	16	32	61	
Chilver, H. L.	89	45	51	10	21	29	57	49	39	29	16	64	25	72	
Coates, P. C.	78	38	49	40	80	38	44	65	38	42	48	49	25	88	
Crerar, S. R.	51	44	16	12	28	11	17	22	36	10	41	38	3	8	H
Elder, A. J.	55	21	43	26	47	44	62	44	56	17	41	6	77	80	
Fleck, J. G.	84	*	4	77	Ex	Ex	Ex	37	64	61	54	76	25	34	
Hill, S.	44	30	4	80	71	49	78	74	52	78	70	*	57	67	
Ingles, C. J.	56	51	37	26	69	91	48	*	*	80	21	38	86	88	
Jackson, E. R.	75	33	4	84	6	14	22	40	27	52	19	24	43	70	H
Laing, P. A.	46	31	34	40	75	70	46	26	71	*	75	55	55	2	
McEwen, D. F.	22	6	4	44	66	82	51	85	81	*	57	*	62	46	
MacKenzie, C. M.	36	45	37	77	2	14	1	5	39	13	11	6	29	7	H
Parke, J.	41	28	43	56	27	13	27	39	62	17	25	31	30	3	H
Ramsey, G. L.	89	33	21	60	*	78	86	62	47	*	81	57	37	70	
Raymond, D. L. C.	7	1	21	31	33	49	24	18	11	40	32	14	20	12	H
Street, P. B.	70	31	21	65	61	80	54	88	74	*	54	49	49	12	
Tait, B. J.	76	48	21	69	84	49	*	*	47	42	67	80	67	90	
Thompson, H. P.	91	50	28	86	39	71	89	90	*	78	51	*	93	76	
Wade, E.	38	8	37	12	8	2	4	2	19	2	1	57	29	49	H

I. Year.—Continued.

The numerals indicate rank in the Class, H indicates Honors on the total, Ex exemption, and * that a supplemental examination in the subject must be taken.

	<i>Drawing.</i>	<i>Practical Chemistry.</i>	<i>Practical Electricity.</i>	<i>Experimental Physics.</i>	<i>Algebra.</i>	<i>Euclid.</i>	<i>Trigonometry.</i>	<i>Analytical Geometry.</i>	<i>Statics.</i>	<i>Dynamics.</i>	<i>Descriptive Geometry.</i>	<i>Surveying.</i>	<i>Elementary Chemistry.</i>	<i>Heat.</i>	<i>Electricity.</i>	<i>Elec. and Magnetism.</i>	
Mech. and Elec. Engineering.																	
Barrett, J. H.	19	49	23	40	14	23	26	40	4	38	34	13	15	17	23	17	H
Beatty, H. E.	76	93	23	37	56	54	53	55	62	80	75	83	89	49	*	*	
Boeckh, J. C.	42	94	11	19	11	59	75	46	33	68	91	80	79	47	*	*	
Burley, R. J.	56	26	16	34	39	62	80	71	*	56	*	72	10	61	13	30	
Burnham, F. W.	61	21	29	34	56	86	71	66	51	70	70	76	67	61	16	28	
Calder, J. W.	51	49	16	22	56	29	54	35	66	38	5	42	*	90	*	13	
Campbell, A. M.	81	89	*	31	Ex	Ex	Ex	35	27	17	34	69	20	49	6	8	
Craig, S. E.	28	26	23	7	14	35	24	61	20	17	43	65	20	17	6	12	H
Currie, W. M.	49	44	40	25	47	39	51	49	27	42	25	72	69	67	4	18	
Gibson, W. S.	20	6	16	36	28	18	9	14	12	3	43	2	3	29	4	9	H
Greenwood, W. K.	3	80	11	38	71	54	31	42	52	61	7	49	54	76	21	20	
Harris, C. J.	70	12	36	33	45	24	42	22	12	48	37	42	12	29	13	28	
Henderson, T. D.	66	4	23	14	54	47	31	37	45	25	37	24	45	49	2	23	
Jermyn, P. V.	12	73	16	19	64	67	35	76	49	49	25	53	35	28	*	34	
Johnston, J. W.	10	10	7	1	77	67	83	66	81	60	75	*	52	1	*	9	
Keefe, W. S. H.	5	6	8	1	80	62	88	61	*	*	60	36	60	49	29	31	
Legge, A. H.	27	65	36	27	*	89	76	55	84	73	90	57	49	61	*	34	
McCuaig, O. B.	30	2	1	6	50	27	38	14	1	52	60	65	79	80	23	20	
McGibbon, C. P.	28	33	4	10	Ex	Ex	Ex	9	10	34	25	72	49	25	18	18	H
McKay, C. D.	38	33	16	19	56	59	54	33	*	49	70	*	57	59	26	24	
Manson, G. J.	94	21	23	14	20	58	34	22	39	49	43	38	75	47	11	22	
Moore, E. E.	81	56	33	7	38	75	82	80	56	40	83	49	86	24	20	32	

I. Year.—Continued.

The numerals indicate rank in the Class, H indicates Honors on the total, Ex exemption, and * that a supplemental examination in the subject must be taken.

	<i>Drawing.</i>	<i>Practical Chemistry.</i>	<i>Practical Electricity.</i>	<i>Experimental Physics.</i>	<i>Algebra.</i>	<i>Euclid.</i>	<i>Trigonometry.</i>	<i>Analytical Geometry.</i>	<i>Statics.</i>	<i>Dynamics.</i>	<i>Descriptive Geometry.</i>	<i>Surveying.</i>	<i>Elementary Chemistry.</i>	<i>Heat.</i>	<i>Electricity.</i>	<i>Elec. and Magnetism.</i>	
Mech. and Elec. Engineering.																	
Munro, W. H.	16	65	11	14	46	36	49	66	27	42	66	24	41	29	25	9	
O'Sullivan, J. J.	*	95	36	30	18	85	42	53	56	68	81	42	41	79	*	26	
Pace, G.	66	10	33	14	61	62	65	21	67	*	78	45	45	37	*	13	
Pardoe, W. S.	24	77	22	41	51	19	35	22	32	42	43	6	37	58	8	16	
Peaker, W. J.	78	73	8	1	28	22	30	55	49	36	85	62	48	4	18	25	
Pickering, A. E.	34	33	4	5	23	3	27	32	70	6	12	19	3	61	9	4	H
Riddell, M. R.	2	1	1	4	12	14	20	34	23	27	10	4	7	27	3	5	H
Roxburgh, G. S.	51	49	36	32	66	71	38	27	67	52	63	69	65	76	28	26	
Rutherford, F. N.	7	21	1	26	64	86	57	62	18	*	83	80	65	74	*	39	
Sauder, P. M.	12	2	23	11	32	80	71	78	42	61	19	45	82	42	*	33	
Slater, F. W.	70	21	16	28	54	78	71	53	*	*	93	87	75	72	22	34	
Smart, R. S.	30	12	29	22	25	5	11	8	7	5	1	24	11	15	1	2	H
Smither, W. J.	65	33	33	14	39	29	61	76	20	15	32	36	45	17	26	15	
Thomson, S. E.	21	49	29	22	5	19	22	13	20	29	31	6	79	80	11	1	H
Townsend, C. J.	1	4	4	11	85	66	83	84	*	59	87	55	94	41	*	34	
Tucker, B. B.	12	34	11	28	36	49	69	73	75	29	68	45	29	25	16	6	
Watson, J. P.	62	12	11	7	28	71	57	66	*	34	57	45	37	51	*	9	
Wright, W. F.	43	31	8	11	80	47	37	71	71	56	25	57	20	14	9	3	
Yeates, P. M.	60	86	29	39	77	82	*	45	71	56	60	31	49	92	13	35	

II. Year.

The numerals indicate rank in the Class, H indicates Honors on the total, Ex exemption, and * that a supplemental examination in the subject must be taken.

Civil Engineering.	Drawing.	Construction Notes.	Thesis.	Field Notes.	Practical Mineralogy.	Practical Lithology.	Practical Chemistry.	Prac. Chem. (Quant.)	Experimental Physics.	Calculus.	Astronomy.	Spherical Trigonometry.	Descriptive Geometry.	Surveying.	Strength of Materials.	Rigid Dynamics.	Optics.	Hydrostatics.	Applied Chemistry.	Mineralogy & Geology.	Lithology.	Metallurgy.
Alison, J. G. R.	32	46	9	21	26	..	51	..	40	42	18	33	24	24	35	*	*	58	32	32	..	58
Burgess, E. L.	7	24	5	3	13	..	37	..	45	15	1	23	11	6	16	10	18	17	10	30	..	16
Gardner, J. C.	14	46	11	10	26	..	26	..	45	56	5	24	18	21	*	42	11	26	23	*	..	13
Gillespie, P.	8	26	6	27	8	..	45	..	24	8	9	16	3	3	5	10	3	3	2	12	..	5
Gordon, J. P.	39	..	15	17	30	..	29	..	61	53	17	47	28	18	53	*	51	55	24	12	..	33
Gourlay, W. A.	35	24	2	23	4	..	47	..	60	28	8	38	13	5	29	18	36	44	38	6	..	19
Hayes, L. J.	11	13	2	17	31	..	8	..	43	36	18	47	22	26	52	47	51	50	39	3	..	25
Henderson, F. D.	8	*	19	9	26	..	5	..	12	2	6	28	9	11	12	29	2	13	16	1	..	19
Jackson, J. H.	13	*	19	8	8	..	5	..	12	2	2	10	9	16	35	33	56	40	*	26	..	6
Johnston, H.	30	56	12	10	17	..	33	..	34	48	14	42	16	3	29	6	25	7	32	5	..	12
Latonnell, A. J.	19	28	10	21	7	..	4	..	28	4	4	6	5	2	15	2	26	46	10	4	..	43
McAuslan, H. J.	46	17	17	33	31	..	21	..	36	3	10	3	13	*	46	29	6	13	*	23	..	37
McNaughton, A. L.	41	2	13	1	26	..	26	..	5	34	16	49	20	13	*	44	40	19	*	29	..	55
Oliver, E. W.	2	18	2	15	31	..	6	..	2	38	12	45	26	*	38	44	40	19	*	33	..	38
Robertson, D. F.	62	..	17	2	31	..	33	..	52	11	15	41	26	7	*	33	55	23	*	33	..	58
Seymour, H. L.	26	14	16	23	13	..	19	..	26	22	17	5	8	13	1	14	15	23	5	24	..	37
Smith, J. H.	24	43	14	34	24	..	61	..	36	53	18	33	*	*	44	52	49	50	19	26	..	49
Waldron, J.	17	23	8	29	17	..	33	..	32	38	12	49	23	17	*	*	24	43	45	7	..	41
Wilson, N. D.	11	45	7	20	22	..	21	..	20	12	10	9	6	4	4	40	26	27	16	10	..	1
Young, C. R.	1	9	1	6	1	..	47	..	15	9	1	8	4	8	3	6	1	27	1	2	..	2

II. Year.—Continued.

The numerals indicate rank in the Class, H indicates Honors on the total, Ex exemption, and * that a supplemental examination in the subject must be taken.

	Drawing.	Construction Notes.	Thesis.	Field Notes.	Practical Mineralogy.	Practical Lithology.	Practical Chemistry.	Prac. Chem. (Quant.)	Experimental Physics.	Calculus.	Astronomy.	Spherical Trigonometry.	Descriptive Geometry.	Surveying.	Strength of Materials.	Rigid Dynamics.	Optics.	Hydrostatics.	Applied Chemistry.	Mineralogy & Geology.	Lithology.	Metallurgy.
																						H
Mining Engineering.																						
Burd, J. H.	58	52	8	6	3	1	8	3	51	30	..	42	15	21	27	28	49	60	40	12	11	33
Burwash, N. A.	61	41	10	27	4	11	44	13	55	27	..	54	10	21	*	36	33	13	*	18	4	25
Coulson, C. L.	23	14	10	4	8	2	17	1	17	46	..	35	28	*	*	44	53	54	19	18	6	25
Fuce, E. O.	39	11	5	16	8	6	12	5	24	38	..	10	20	9	44	26	44	18	*	24	4	46
Gordon, W. C.	41	Ex	Ex	15	12	6	21	10	Ex	Ex	..	20	12	27	51	*	Ex	Ex	*	21	1	17
Hamilton, J. F.	56	35	10	13	23	4	2	1	4	51	..	24	*	18	46	44	41	31	*	21	12	54
Hanes, G. S.	29	34	3	12	2	10	41	11	40	42	..	24	26	*	46	52	37	31	32	10	3	*
Harcourt, F. Y.	53	5	9	13	24	4	18	5	55	*	..	38	28	18	46	46	37	50	32	7	8	48
Montgomery, R. H.	27	30	2	29	17	11	25	5	38	25	..	44	7	12	8	35	9	21	2	9	2	3
Philp, D. H.	51	54	3	29	4	6	21	4	34	45	..	49	28	24	38	49	33	31	*	15	10	*
Plunkett, T. H.	50	46	1	23	13	6	3	8	12	29	..	24	16	15	41	15	26	31	*	16	9	49
Umbach, J. E.	60	41	6	29	17	11	37	11	30	46	..	38	25	*	37	47	33	23	28	20	13	30
Williams, C. G.	54	37	7	23	13	3	12	8	48	17	..	49	18	14	14	32	47	35	32	16	7	6

II. Year.—Continued.

The numerals indicate rank in the Class, H indicates Honors on the total, Ex exemption, and * that a supplemental examination in the subject must be taken.

	<i>Drawing.</i>	<i>Construction Notes.</i>	<i>Thesis.</i>	<i>Practical Chemistry.</i>	<i>Practical Electricity.</i>	<i>Experimental Physics.</i>	<i>Calculus.</i>	<i>Spherical Trigonometry</i>	<i>Descriptive Geometry.</i>	<i>Strength of Materials.</i>	<i>Rigid Dynamics.</i>	<i>Optics.</i>	<i>Hydrostatics.</i>	<i>Applied Chemistry.</i>	<i>Metallurgy.</i>	<i>Theory of Mechanism.</i>	<i>Electricity.</i>	
Mech. and Elec. Engineering.																		
Acres, H. G.	41	14	20	43	16	22	11	31	14	22	24	18	58	41	45	9	3	
Alexander, J. H. ..	18	Ex	Ex	29	15	Ex	Ex	12	1	18	22	Ex	Ex	10	30	14	11	H
Angus, H. H.	54	7	20	53	9	30	21	3	4	7	2	16	13	2	8	2	15	H
Beatty, J. A.	22	15	15	39	5	7	26	14	10	28	22	41	38	*	13	11	23	
Davison, A. E.	14	11	6	8	22	15	14	56	9	29	*	9	6	5	9	12	23	
Fensom, C. J.	35	21	15	58	22	12	*	20	3	9	36	30	27	42	46	15	22	
Gaby, F. A.	4	30	6	19	1	22	6	16	22	20	16	3	4	24	22	5	1	H
Jackson, J. G.	34	54	20	14	5	26	38	31	6	12	6	18	27	10	15	26	17	
Johnston, C. K.	27	37	8	63	19	38	42	55	*	29	4	30	48	43	*	13	3	
Lang, A. G.	38	28	12	56	18	5	19	18	24	20	10	57	42	24	30	10	8	
Larkworthy, W. J. .	3	1	8	14	25	1	49	61	*	*	51	30	35	28	17	27	10	
McFarlane, J. A. .	20	52	12	52	3	58	15	6	15	38	21	18	55	5	37	22	29	
Maus, C. A.	5	30	1	6	11	43	34	35	10	24	5	11	31	44	37	23	7	H
Miller, M. L.	41	37	20	29	17	45	1	1	4	18	24	26	35	10	10	6	12	H
Mitchell, P. H.	6	2	15	60	8	2	*	59	19	26	*	18	9	28	33	25	28	
Mullins, E. E.	59	27	3	53	27	50	30	29	22	34	26	47	11	19	37	15	15	
Oliver, J. P.	37	22	2	45	22	20	56	35	26	43	41	43	9	*	*	17	27	
Pace, J. D.	33	*	20	14	11	52	11	57	19	25	29	17	40	24	41	20	14	
Patten, B. B.	47	37	*	41	19	32	19	14	13	17	36	7	8	10	25	3	9	
Pinkney, D. H.	8	18	15	49	3	28	4	12	6	6	1	11	2	5	25	6	3	H
Ross, R. B.	47	20	8	57	2	58	32	60	16	*	19	37	11	*	23	19	16	
Shipe, H. M.	16	8	12	33	14	8	6	2	2	2	6	5	1	28	4	1	2	H
Small, H. S.	47	30	15	29	9	40	53	57	24	42	39	*	57	*	51	24	19	
Smith, H. G.	31	46	4	1	5	8	17	30	12	22	10	7	19	5	33	18	13	H
Trees, S. L.	24	9	4	49	25	11	36	45	21	*	42	54	48	*	19	8	20	
Wass, S. B.	21	35	20	26	11	17	24	19	6	10	17	18	5	19	10	3	6	H
Whelihan, J. A. ...	56	43	*	39	28	54	32	49	16	33	49	44	39	*	55	28	25	
White, H. F.	51	46	20	53	19	49	50	20	16	*	*	46	45	32	53	20	28	
App. Chemistry																		
Marriott, F. G.	..	..	1	58	14	8	..	..	..	..	..	59	61	*	24	..	26	
Architecture.																		
Challies, J. B.	41	5	1	62	..	55	51	..	32	46	..	58	46	*	57	..	..	

In addition to the above, F. G. Marriott passed in Practical Mineralogy and Mineralogy and Geology; J. B. Challies passed in Field Notes, Sketching, Orders of Architecture, History of Architecture and History of Ornament.

III. Year.

The numerals indicate rank in the Class, H indicates Honors on the total, and * that a supplemental examination in the subject must be taken.

	Drawing.	Construction Notes.	Thesis.	Field Notes.	Practical Chemistry.	Practical Mineralogy.	Practical Assaying.	Practical Electricity.	Experimental Physics.	Thermodynamics.	Hydraulics.	Descriptive Geometry.	Surveying & Levelling.	Least Squares.	Astronomy & Geodesy.	Applied Chemistry.	Metallurgy.	Mineralogy & Geology.	Ore Deposits.	Mining and Ore Dressing.	Theory of Construction.	Theory of Compound Stress.	Mechanics of Machinery.	Machine Design.	Magnetism and Electricity.	
Civil Engineering.																										
Blair, W. J.	34	30	6	11	..	..	12	..	4	31	27	33	13	29	6	17	..	15	..	..	..	33	22	..	..	..
Douglas, W. E.	18	21	5	11	..	..	3	..	3	22	17	38	9	14	5	28	..	17	..	..	..	27	12	..	..	..
Gibson, A. E.	1	17	2	11	..	..	11	..	2	11	2	3	4	10	2	31	..	7	..	..	..	11	9	..	..	..
MacLennan, A. L.	38	26	7	18	..	..	..	..	7	26	24	15	19	22	7	27	..	20	..	..	..	35	18	..	..	..
Nash, T. S.	6	3	1	4	..	..	..	..	6	1	9	5	1	2	3	20	..	7	..	..	..	11	1	..	..	..
Powell, G. G.	25	32	4	14	..	..	..	..	5	20	13	25	6	13	4	34	..	14	..	..	..	29	11	..	..	..
Ratz, W. F.	3	34	2	5	..	..	..	..	1	4	1	5	2	1	1	11	..	3	..	..	..	1	2	..	..	..
Mining Engineering.																										
Campbell, A. R.	35	39	10	18	9	12	12	..	..	22	25	35	7	20	..	21	8	18	11	6	9	3	..	..	..	..
Campbell, W. G.	38	36	2	14	4	5	3	..	..	35	36	37	19	27	..	21	10	5	6	11	11	20	..	..	..	..
Christie, W.	13	4	1	8	6	12	11	..	..	9	6	1	3	9	..	6	4	7	9	5	5	13	..	..	..	..
Conlon, F. T.	33	36	10	8	11	9	8	..	..	26	22	39	17	20	..	9	11	4	1	10	10	23	..	..	..	..
Culbert, M. T.	30	20	7	10	3	2	6	..	..	12	20	17	8	6	..	21	12	19	11	6	32	..	..	..	..	..
Cummings, R.	37	23	2	16	6	7	10	..	..	19	34	28	18	36	..	9	12	19	11	6	17	..	..	..	..	
Edwards, W. M.	36	7	10	17	11	11	5	..	..	34	36	28	18	15	..	32	8	13	10	9	30	..	..	..	..	
Empey, J. M.	32	36	2	3	2	3	1	..	..	26	20	18	16	16	..	14	3	2	4	4	4	..	..	..	..	..
Forbes, D. L. H.	28	18	6	2	1	10	1	..	..	15	4	15	5	7	..	32	13	15	7	12	22	..	..	..	..	..
Moore, H. H.	27	13	6	2	9	6	9	..	..	39	28	23	10	23	..	32	13	15	7	1	14	..	..	..	..	..
Steele, I. J.	14	34	8	7	6	8	6	..	..	3	18	10	14	12	..	1	7	6	5	2	5	..	..	..	..	..
Teasdale, C. M.	23	31	8	1	4	1	4	..	..	18	33	28	14	17	..	32	1	10	8	3	25	..	..	..	..	..

III. Year.—Continued.

The numerals indicate rank in the Class, H indicates Honors on the total, and * that a supplemental examination in the subject must be taken.

	Drawing.	Construction Notes.	Thesis.	Field Notes.	Practical Biology.	Practical Mineralogy.	Practical Assaying.	Practical Electricity.	Experimental Physics.	Thermodynamics.	Hydraulics.	Descriptive Geometry.	Surveying & Levelling.	Least Squares.	Astronomy & Geodesy.	Applied Chemistry.	Metallurgy.	Mineralogy & Geology.	Organic Chemistry.	Biology.	Theory of Construction.	Theory of Compound Stresses.	Mechanics of Machinery.	Machine Design.	Magnetism and Electricity.	
Mech. and Elec. Engineering.																										
Barber, H. G.	28	15	8	..	..	..	..	13	1	5	9	10	..	7	..	14	..	..	..	..	..	7	3	2	4	1
Brown, J. M.	15	5	16	..	..	..	..	19	5	30	35	20	..	29	..	37	..	..	..	..	15	26	13	17	14	
Connor, H. V.	31	11	5	..	..	..	..	16	1	25	29	33	..	29	10	..	..	..	..	..	*	*	18	7	11	
Dunlop, R. J.	4	8	2	..	..	..	..	..	4	12	5	7	..	20	14	..	..	..	..	..	2	10	3	6	11	
Elwell, W.	21	10	7	..	..	..	..	3	5	17	12	14	..	36	..	32	..	..	..	..	6	24	7	17	9	
Goodwin, A. C.	15	12	15	..	..	..	..	8	13	14	16	18	..	18	21	..	..	..	..	..	27	12	5	2	4	
Henwood, C.	21	32	1	..	..	..	..	10	9	7	18	10	..	5	..	4	..	..	..	..	19	4	9	14	8	
Johnston, D. M.	15	25	14	..	..	..	..	5	5	26	29	20	..	29	..	14	..	..	..	..	37	22	19	15	19	
McBride, A. H.	1	1	5	..	..	..	..	10	9	16	14	9	..	25	..	10	..	..	..	..	25	16	8	10	13	
Mackay, J. T.	11	6	10	..	..	..	..	17	15	35	39	26	..	36	..	32	..	..	..	..	23	20	11	19	20	
Madden, J. F. S.	25	18	19	..	..	..	..	9	18	31	36	28	..	23	..	21	..	..	..	..	38	18	17	15	18	
Mathison, P.	10	26	9	..	..	..	..	7	9	39	11	10	..	3	..	6	..	..	..	..	33	25	12	11	10	
Marrs, C. H.	5	8	4	..	..	..	..	5	1	5	2	2	..	11	..	2	..	..	..	..	7	4	1	3	1	
Mennie, R. S.	6	23	12	..	..	..	..	2	20	37	29	28	..	36	..	28	..	..	..	..	21	15	20	20	16	
Robertson, H. D.	23	29	18	..	..	..	..	15	15	31	22	20	..	18	..	28	..	..	..	..	35	14	9	9	7	
Sinclair, D.	19	14	3	..	..	..	..	18	13	7	7	4	..	29	..	14	..	..	..	..	9	7	5	4	6	
Sutherland, W. H.	19	16	12	..	..	..	..	3	20	9	14	27	..	3	..	10	..	..	..	..	16	8	15	8	5	
Taylor, T.	12	22	11	..	..	..	..	10	15	1	8	7	..	29	..	14	..	..	..	..	9	4	4	1	3	
Wanless, A. A.	9	26	17	..	..	..	..	13	5	24	32	36	..	25	..	37	..	..	..	..	30	20	16	12	15	
Zahn, H.	8	2	20	..	..	..	..	20	9	20	25	24	..	27	..	28	..	..	..	..	18	17	14	13	17	
Applied Chemistry.																										
Langmuir, F. L.	..	..	1	..	1	4	..	..	18	..	..	..	..	..	..	1	6	12	1	1	..	..	..	..	..	

Certificate of Metallurgy and Assaying.

PRIMARY EXAMINATION.

J. Horton passed in the following subjects:—Thesis, Construction Notes, Field Notes, Practical Chemistry, Practical Lithology, Practical Mineralogy, Lithology, Mineralogy and Geology, Applied Chemistry and Metallurgy.

Supplemental Examinations Passed.

FIRST YEAR SUBJECTS.

Statics.—M. B. Bonnell, A. Gray, J. G. Jackson, C. K. Johnston, J. A. McFarlane, R. B. Ross, S. L. Trees, J. P. Gordon, H. Johnston, E. W. Oliver, W. B. Porte, J. H. Smith, W. R. Worthington, J. T. Corbett, C. L. Coulson, W. H. Young, F. G. Marriott.

Dynamics.—M. B. Bonnell, H. H. Depew, P. H. Mitchell, J. P. Oliver, H. F. White, J. G. R. Allison, L. J. Hayes, E. W. Oliver, A. J. Sill, W. H. Young, J. B. Challies, A. R. Campbell, R. H. Knight, J. T. Mackay.

Elementary Chemistry.—C. J. Fensom, M. A. Stewart, W. R. Worthington, N. A. Burwash, J. B. Challies.

Analytical Chemistry.—F. Y. Harcourt, J. S. Henry.

Descriptive Geometry.—A. J. Sill, J. T. Corbett, F. Y. Harcourt, F. G. Marriott.

Algebra.—W. G. Milne.

Trigonometry.—C. K. Johnston, H. N. Gzowski.

Euclid.—J. C. Gardiner, J. G. Jackson, W. J. Larkworthy (æg.), E. E. Mullins.

Electricity.—W. J. Larkworthy, P. H. Mitchell, R. B. Ross, S. L. Trees, H. F. White.

SECOND YEAR SUBJECTS.

Calculus.—H. H. Moore, J. T. Mackay, J. F. S. Madden.

Rigid Dynamics.—A. L. McLennan, W. M. Edwards, J. S. Henry, H. H. Moore, H. V. Connor, D. M. Johnston, A. A. Wanless.

Practical Mineralogy.—W. J. Blair.

Thesis.—W. G. Campbell, F. T. Conlon.

Strength of Materials.—G. G. Powell, W. G. Campbell, F. T. Conlon, J. M. Empey, J. M. Brown, J. F. S. Madden, H. D. Robertson.

Mineralogy and Geology.—W. E. Douglas, A. L. McLennan, A. R. Campbell, R. H. Knight.

Hydrostatics.—F. T. Conlon.

Descriptive Geometry.—C. M. Teasdale, H. V. Connor, W. Elwell, D. M. Johnston, A. A. Wanless.

Surveying.—W. G. Campbell.

Construction Notes.—W. J. Blair, W. M. Edwards, C. M. Teasdale.

C. G. Carmichael has fulfilled the conditions respecting Vacation work of the Third Year.

Supplemental Examinations to be Taken.

FIRST YEAR SUBJECTS.

- Drawing*.—J. J. O'Sullivan.
- Algebra*.—A. H. Legge, H. S. Southworth, R. G. Weddell, C. W. Allen, R. A. Bryce, G. L. Ramsay.
- Trigonometry*.—P. M. Yeates, A. V. Chase, B. J. Tait.
- Practical Electricity*.—A. M. Campbell.
- Field Notes*.—J. G. Fleck, H. S. Southworth.
- Analytical Geometry*.—C. W. Allen, A. V. Chase, C. J. Ingles, B. J. Tait.
- Descriptive Geometry*.—R. J. Burley, H. N. Gzowski.
- Statics*.—R. J. Burley, W. S. H. Keefe, C. D. McKay, F. W. Slater, C. J. Townsend, J. B. Watson, J. N. Goodall, R. G. Weddell, C. J. Ingles, H. P. Thompson.
- Dynamics*.—W. S. H. Keefe, G. Pace, F. N. Rutherford, F. W. Slater, E. L. Cousins, J. N. Goodall, A. Bryce, P. A. Laing, D. F. McEwen, G. L. Ramsay, P. B. Street, J. P. Gordon, M. G. Kernahan, J. H. Burd, P. E. Morton, J. P. Rigby.
- Surveying*.—J. W. Johnston, C. D. McKay, S. B. Code, E. M. Hill, W. A. Begg, S. Hill, D. F. McEwen, H. P. Thompson.
- Elementary Chemistry*.—J. W. Calder, W. J. Foster, M. G. Kernahan.
- Electricity and Magnetism*.—H. E. Beatty, J. C. Boeckh.
- Electricity*.—H. E. Beatty, J. C. Boeckh, J. W. Calder, P. V. Jermyn, J. W. Johnston, A. H. Legge, J. J. O'Sullivan, G. Pace, F. N. Rutherford, P. M. Sauder, C. J. Townsend, J. B. Watson.

SECOND YEAR SUBJECTS.

- Thesis*.—B. B. Patten, J. A. Whelihan.
- Construction Notes*.—J. H. Jackson, J. D. Pace.
- Calculus*.—F. Y. Harcourt, C. J. Fensom, P. H. Mitchell.
- Mineralogy and Geology*.—J. C. Gardner.
- Optics*.—J. G. R. Alison, H. S. Small.
- Organic Chemistry*.—F. G. Marriott.
- Applied Chemistry*.—H. Johnston, A. L. McNaughton, E. W. Oliver, D. F. Robertson, N. A. Burwash, E. O. Fuce, W. C. Gordon, J. F. Hamilton, D. H. Philp, T. H. Plunkett, J. B. Challies, F. G. Marriott, J. A. Beatty, J. P. Oliver, R. B. Ross, H. S. Small, S. L. Trees, J. A. Whelihan.
- Metallurgy*.—G. S. Hanes, D. H. Philp, C. K. Johnston, J. P. Oliver.
- Strength of Materials*.—J. C. Gardner, D. F. Robertson, J. Waldron, N. A. Burwash, C. L. Coulson, W. J. Larkworthy, R. B. Ross, S. L. Trees, H. F. White.
- Rigid Dynamics*.—A. E. Davison, P. H. Mitchell, H. F. White, J. G. R. Alison, J. P. Gordon, J. Waldron, W. C. Gordon, F. Y. Harcourt.
- Descriptive Geometry*.—J. H. Smith, J. F. Hamilton, C. K. Johnston, W. J. Larkworthy, F. G. Mace.
- Surveying*.—A. L. McNaughton, E. W. Oliver, J. H. Smith, C. L. Coulson, G. S. Hanes, J. E. Umbach, J. B. Challies.
- J. P. Gordon and D. F. Robertson have not fulfilled the conditions respecting vacation work of the second year.



Ontario School of Practical Science
TORONTO

FACULTY OF
APPLIED SCIENCE AND ENGINEERING
OF
THE UNIVERSITY OF TORONTO

Class List, 1903

FACULTY OF THE SCHOOL.

<i>Principal</i>	J. GALBRAITH, M.A., LL.D.
<i>Registrar</i>	A. T. LAING, B.A.Sc.

MEMBERS OF TEACHING STAFF:

J. GALBRAITH, M.A., LL.D.....	<i>Professor of Engineering (Chairman).</i>
W. HODGSON ELLIS, M.A., M.B	<i>Professor of Applied Chemistry.</i>
A. P. COLEMAN, M.A., Ph.D	<i>Professor of Geology.</i>
L. B. STEWART, O.L.S., D.T.S.....	<i>Professor of Surveying and Geodesy.</i>
C. H. C. WRIGHT, B.A.Sc., Mem.O.A.A.	<i>Professor of Architecture.</i>
T. R. ROSEBRUGH, M.A.	<i>Professor of Electrical Engineering.</i>
J. MCGOWAN, B.A., B.A.Sc.....	<i>Lecturer in Applied Mechanics.</i>
G. R. MICKLE, B.A.....	<i>Lecturer in Mining.</i>
R. W. ANGUS, B.A.Sc	<i>Lecturer in Mechanical Engineering.</i>
J. W. BAIN, B.A.Sc.....	<i>Lecturer in Applied Chemistry.</i>
H. G. McVEAN, B.A.Sc.....	<i>Demonstrator in Mechanical Engineering.</i>
H. W. PRICE, B.A.Sc.....	<i>Demonstrator in Electrical Engineering.</i>
W. C. TENNANT, B.A.Sc.....	<i>Fellow in Civil Engineering.</i>
J. G. McMILLAN, B.A.Sc.....	<i>Fellow in Mining Engineering.</i>
W. E. WAGNER, B.A.Sc.....	<i>Fellow in Mechanical Engineering.</i>
M. V. SAUER, B.A.Sc.....	<i>Fellow in Electrical Engineering.</i>
E. G. R. ARDAGH, B.A.Sc.....	<i>Fellow in Chemistry.</i>
A. H. MCBRIDE, Grad. S.P.S.	<i>Fellow in Drawing.</i>
E. V. NEELANDS, B.A.Sc.....	<i>Fellow in Surveying.</i>
M. C. BOSWELL, B.A.Sc	<i>Lecture Assistant in Chemistry.</i>

MEMBERS OF THE FACULTY OF ARTS

Whose Classes are Attended by the Regular Students of the School:

JAMES LOUDON, M.A., LL.D	<i>President and Professor of Physics.</i>
R. RAMSAY WRIGHT, M.A., LL.D....	<i>Professor of Biology.</i>
ALFRED BAKER, M.A	<i>Professor of Mathematics.</i>
W. R. LANG, D.Sc.....	<i>Professor of Chemistry.</i>
T. L. WALKER, M.A , Ph.D	<i>Professor of Mineralogy.</i>
W. L. MILLER, B. A., Ph.D.....	<i>Associate Professor of Physical Chemistry.</i>
W. J. LOUDON, B.A.....	<i>Associate Professor in Physics.</i>
C. A. CHANT, M.A.....	<i>Lecturer in Physics.</i>
J. C. MCLENNAN, B.A., Ph.D.....	<i>Associate Professor in Physics.</i>
ALFRED T. DELURY, B.A.....	<i>Associate Professor in Mathematics.</i>
E. F. BURTON, B.A.....	<i>Fellow in Mathematics.</i>
G. R. ANDERSON, M.A.....	<i>Assistant in Physics.</i>
J. S. PLASKETT, B.A.....	<i>Assistant in Physics.</i>

RESULTS
—OF—
ANNUAL EXAMINATIONS
Session 1902-1903.

DEPARTMENTS.

CIVIL ENGINEERING.

MINING ENGINEERING.

MECHANICAL AND ELECTRICAL ENGINEERING.

ARCHITECTURE.

ANALYTICAL AND APPLIED CHEMISTRY.

DEGREES.

BACHELOR OF APPLIED SCIENCE (B.A.Sc.)

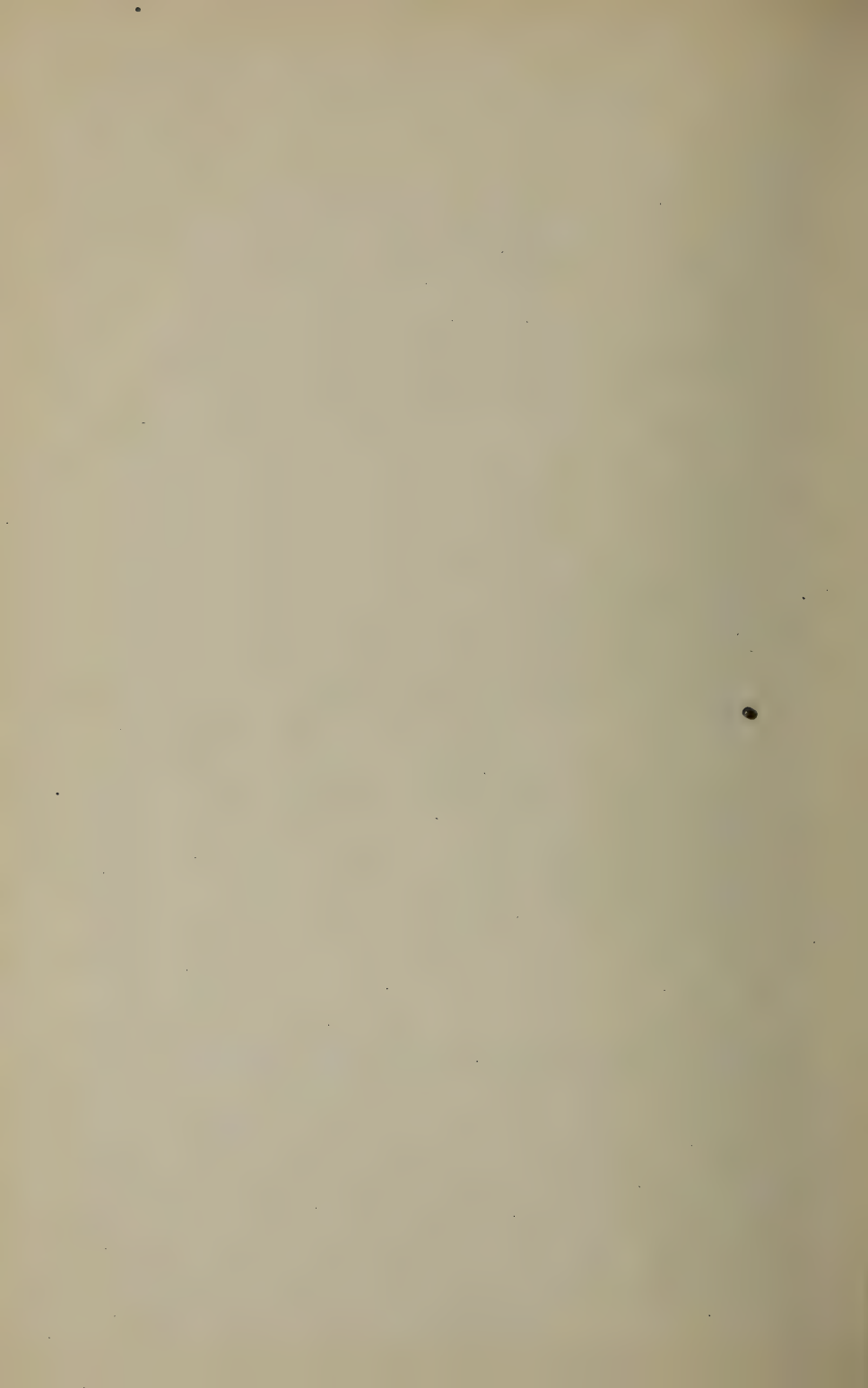
CIVIL ENGINEER (C.E.)

MINING ENGINEER (M.E.)

MECHANICAL ENGINEER (M.E.)

ELECTRICAL ENGINEER (E.E.)

Candidates are arranged alphabetically in the Departments and in the
4th or Post-Graduate Year, in two classes, Honors and Pass.



University of Toronto.

FACULTY OF APPLIED SCIENCE AND ENGINEERING

DEGREE OF E.E. (Electrical Engineer.)

Chubbuck, L. B.

DEGREE OF B.A.Sc. (Bachelor of Applied Science.)

HONORS.

Chace, W. C.
Chadsey, S. B.
Christie, W.

Culbert, M. T.
Gagné, S.
Gibson, A. E.

Mathison, P.
Powell, G. G.

PASS.

Blair, W. J.
Brereton, W. P.
Connor, H. V.
Empey, J. M.

Knight, R. H.
Madden, J. F. S.
Robertson, H. D.
Sinclair, D.

Sutherland, W. H.
Teasdale, C. M.
Zahn, H.

J. F. S. Madden is required to take Supplemental Examinations in Thermodynamics and Theory of Heat Engines, and H. V. Connor in Electricity and Magnetism.

School of Practical Science.

Department of Civil Engineering.

HONORS.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Crosby, N. L. Hendry, M. C. Jupp, A. E. Loudon, T. R. McGregor, W. W. Moore, W. J. Smith, F. R. S. Swan, W. G. Traill, J. J. Wagner, H. L. Wallace, W. W. Webster, W. G.	Campbell, A. J. Code, T. F. Cowan, W. A. Crerar, S. R. Ford, A. L. Hara, L. D. Heron, J. B. James, E. A. McFarlane, W. G. Moorhouse, W. N. Raymond, D. L. C. Sheply, J. D. Townsend, D. T. Walker, E. W. Wells, A. F.	Burgess, E. L. Gillespie, P. Henderson, F. D. Latornell, A. J. McAuslan, H. J. McNaughton, A. L. Seymour, H. L. Wilson, N. D. Young, C. R.

PASS.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Alport, F. Ferguson, G. H. Henry, E. A. Hett, S. Holmes, O. B. Jones, G. S. Latornell, A. MacInnes, J. McGregor, J. M. Montague, F. F. Rayner, G. W. Roddick, J. O. Ross, G. W. Ross, R. C. Stewart, D. L. N. Sturdy, N. H. Wilson, J. M.	Beatty, H. E. Cameron, N. C. Christie, U. W. Code, S. B. Goodall, J. N. Hill, E. M. M. Jermyn, P. V. McEwen, G. G. Porte, W. B. Reid, F. B. Robinson, L. Smith, D. A. Trimble, A. V. Weir, J. M. Worthington, W. R.	Alison, J. G. R. Clarke, F. F. Gardner, J. C. Gourlay, W. A. Hayes, L. J. Johnston, H. Moore, F. A. Oliver, E. W. Robertson, D. F. Smith, J. H. Waldron, J.

D. McMillan has passed the second year, but has not fulfilled the conditions respecting vacation work.

PRIZE.

THIRD YEAR—CIVIL ENGINEERING.—Young, C. R.

The above is the gift of Mr. T. Kennard Thomson, C.E., of New York.

Department of Mining Engineering.
HONORS.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Barber, W. McKenzie, D. W. Scott, G. S.	Wade, E.	Fuce, E. O. Montgomery, R. H. Williams, C. G.

PASS.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Broadfoot, F. C. Evans, H. W. Hertzberg, C. Horwood, H. O. R. McDonald, L. C. McLean, W. N. Merritt, R. N. Pullen, E. F. Thompson, J. E. Wright, G. W.	Chilver, C. A. Chilver, H. L. Coates, P. C. Elder, J. A. Fleck, J. G. Hill, S. N. Ingles, C. J. Jackson, E. R. Laing, P. A. MacKenzie, C. M. Parke J. Rutherford, F. N. Young, W. H.	Burd, J. H. Burwash, N. A. Coulson, C. L. Hamilton, J. F. Hanes, G. S. Harcourt, F. Y. Philp, D. H. Plunkett, T. H. Umbach, J. E.

Department of Mechanical and Electrical Engineering.
HONORS.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Arens, H. W. Armour, R. H. Aylsworth, B. Bell, G. G. Bristol, W. M. Carson, W. R. Charlebois, J. B. Clement, S. R. A. Fierheller, H. S. Harrison, F. W. Hewson, W. G. Jepson, W. C. Kribs, G. MacKinnon, W. McGorman, S. E. McLean, C. A. Munro, G. R. Nicklin, W. G. Paterson, G. W. Sisson, C. E. Turner, W. E.	Campbell, A. M. Currie, W. M. Gibson, W. S. Gray, W. W. McGibbon, C. P. Munro, W. H. Pickering, A. E. Riddell, M. R. Smart, R. S. Smither, W. J.	Angus, H. H. Breslove, J. Davison, A. E. Gaby, F. A. Maus, C. A. Miller, M. L. Pinkney, D. H. Shipe, H. M. Wass, S. B.

PASS.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Baldwin, F. W.	Barrett, J. H.	Acres, H. G.
Blaine, T. R.	Bonnell, M. B.	Beatty, J. A.
Chantrell, E.	Brown, T. D.	Fensom, C. J.
Dowling, F.	Burley, R. J.	George, R. E.
Fletcher, H. M.	Burnham, F. W.	Jackson, J. G.
Gordon, J. M.	Calder, J. W.	Johnston, C. K.
Howard, J. A.	Craig, S. E.	Lang, A. G.
Leighton, J. W.	Depew, H. H.	Larkworthy, W. J.
MacKenzie, W. D.	Gray, A.	MacFarlane, J. A.
Mace, H.	Greenwood, W. K.	Mitchell, P. H.
Moffat, R. W.	Harris, C. J.	Mullins, E. E.
Morden, L. W.	Henderson, T. D.	Nevitt, I. H.
Pattee, L. F.	Keefe, W. S. H.	Oliver, J. P.
Reynolds, G. B.	McCuaig, O. B.	Pace, J. D.
Richardson, W. L.	McKay, C. D.	Patten, B. B.
Serson, H. V.	Manson, G. J.	Trees, S. L.
Shirriff, C. H.	Milne, W. G.	White, H. F.
Simpson, A.	Moore, E. A.	Whelihan, J. A.
Stubbs, W. F.	Pace, G.	
Thomson, L. R.	Pardoe, W. S.	
Tillson, E. D.	Paris, J.	
Uren, A. E.	Peaker, W. J.	
Vaughan, J.	Roxburgh, G. S.	
Wilkie, J. H. N.	Sauder, P. M.	
	Slater, F. W.	
	Townsend, C. J.	
	Thomson, S. E.	
	Tucker, B. B.	
	Watson, J. B.	
	Wright, W. F.	

H. G. Smith passed the third year, with ægrotat standing.

H. S. Small has passed the third year, but has failed to comply with the regulations respecting practical work.

Department of Architecture.

PASS.

THIRD YEAR—J. B. Challies.

Department of Analytical and Applied Chemistry.

HONORS.

FIRST YEAR—H. S. Bates.

THIRD YEAR—J. A. Horton, F. G. Marriott.

PASS.

FIRST YEAR—R. M. Coleman, T. E. Rothwell, W. E. Wickett.

Certificate in Applied Electricity.

W. Elwell.

STANDING IN SUBJECTS.

The numerals indicate rank in the Class, H indicates Honors on the total, Ex exemption, P pass, and * that a supplemental examination in the subject must be taken.

I. Year.

	<i>Drawing.</i>	<i>Field Notes.</i>	<i>Practical Mineralogy.</i>	<i>Practical Chemistry.</i>	<i>Algebra.</i>	<i>Euclid.</i>	<i>Trigonometry.</i>	<i>Analytical Geometry.</i>	<i>Statics.</i>	<i>Dynamics.</i>	<i>Descriptive Geometry.</i>	<i>Surveying.</i>	<i>Elementary Chemistry.</i>	<i>Heat.</i>	
Civil Engineering.															
Alport, F.	34	5	26	33	9	68	40	41	42	64	43	5	70	77	
Crosby, N. L.	1	2	19	37	19	4	7	6	9	2	6	14	8	5	H
Ferguson, G. H.	79	27	*	52	81	77	60	66	*	61	75	35	70	57	
Hendry, M. C.	6	14	9	48	55	27	60	44	49	55	21	24	44	41	H
Henry, E. A.	65	18	3	74	34	64	36	63	66	68	57	29	68	87	
Hett, S.	4	1	*	75	85	51	85	81	57	68	60	32	*	89	
Holmes, O. B.	10	12	27	63	76	82	64	58	77	68	*	*	74	85	
Jones, G. S.	60	10	9	12	58	58	47	60	42	*	59	32	60	31	
Jupp, A. E.	29	41	27	33	22	16	14	16	13	20	47	7	27	68	H
Latonnell, A.	52	14	*	71	28	31	21	26	28	46	21	26	66	82	
Loudon, T. R.	37	22	19	33	6	13	2	1	1	6	1	6	2	3	H
MacInnes, J. M.	43	22	19	83	67	71	72	76	49	*	43	*	75	86	
McGregor, W. W.	51	22	27	13	9	39	12	24	7	5	21	3	15	7	H
McGregor, J. M.	80	22	27	88	14	44	29	31	*	57	60	16	16	57	
Montague, F. F.	72	36	27	74	47	64	51	36	34	*	63	18	37	82	
Moore, W. J.	39	38	34	41	40	36	47	11	42	24	30	16	12	25	H
Rayner, G. W.	16	7	34	91	45	28	29	45	35	45	26	24	24	44	
Roddick, J. O.	22	31	9	81	81	74	77	81	*	77	*	30	72	63	
Ross, G. W.	14	29	3	86	76	43	69	47	61	62	30	30	53	49	
Ross, R. C.	18	7	34	67	34	41	51	54	*	46	47	20	62	41	
Smith, F. R.	63	9	9	71	Ex	Ex	Ex	36	10	3	11	4	7	11	
Stewart, D. L. N.	37	13	34	83	34	44	22	31	49	17	63	26	31	63	
Sturdy, N. H.	5	6	9	25	70	44	70	69	49	43	57	20	76	68	
Swan, W. G.	17	14	3	63	5	10	25	45	21	32	36	11	44	16	H
Traill, J. J.	53	33	3	13	31	24	29	21	16	25	32	13	8	11	H
Wagner, H. L.	21	29	3	67	19	9	72	9	3	13	12	9	37	11	H
Wallace, W. W.	35	20	19	50	51	31	16	21	12	34	60	9	27	31	H
Webster, W. G.	24	17	1	63	46	28	40	16	11	26	18	2	42	52	H
Wilson, J. M.	1	3	34	89	83	81	76	77	*	57	68	37	*	80	

I. Year.—Continued.

	<i>Drawing.</i>	<i>Field Notes.</i>	<i>Practical Mineralogy.</i>	<i>Practical Chemistry.</i>	<i>Algebra.</i>	<i>Euclid.</i>	<i>Trigonometry.</i>	<i>Analytical Geometry.</i>	<i>Statics.</i>	<i>Dynamics.</i>	<i>Descriptive Geometry.</i>	<i>Surveying.</i>	<i>Elementary Chemistry.</i>	<i>Heat.</i>	
Mining Engineering.															
Barber, W.....	8	4	9	1	2	2	1	2	4	4	2	1	1	1	H
Broadfoot, F. C.....	22	22	9	30	19	38	29	40	*	64	63	22	60	47	
Evans, H. W.....	28	33	19	90	61	48	36	52	69	*	21	*	77	88	
Hertzberg, C.....	56	10	*	78	79	71	83	78	49	46	67	26	*	72	
Horwood, H. O. R.....	86	40	19	59	57	48	66	*	*	46	26	23	78	80	
McDonald, L. C.....	65	33	9	59	51	71	58	78	79	*	*	35	49	68	
McKenzie, D. W.....	61	27	18	52	22	31	13	39	13	10	14	14	53	9	H
McLean, W. N.....	56	31	1	25	18	19	60	61	72	68	40	19	62	25	
Merritt, R. N.....	9	18	27	61	70	48	84	80	57	*	43	38	*	90	
Pullen, E. F.....	91	38	8	78	38	74	36	11	49	26	79	12	37	15	
Scott, G. S.....	36	20	19	86	17	8	16	8	38	15	6	8	37	23	H
Thompson, J. E.....	46	37	9	56	28	52	72	31	38	*	63	32	59	66	
Wright, G. W.....	69	42	34	37	74	68	75	84	42	*	75	*	79	78	

I. Year.—Continued.

		<i>Drawing.</i>	<i>Practical Chemistry.</i>	<i>Practical Electricity.</i>	<i>Experimental Physics.</i>	<i>Algebra.</i>	<i>Euclid.</i>	<i>Trigonometry.</i>	<i>Analytical Geometry.</i>	<i>Statics.</i>	<i>Dynamics.</i>	<i>Descriptive Geometry.</i>	<i>Surveying.</i>	<i>Elementary Chemistry.</i>	<i>Heat.</i>	<i>Electricity.</i>	<i>Elec. and Magnetism.</i>	
Mech. and Elec. Engineering.																		
Arens, H. W.	12	27	37	11	53	23	51	47	49	38	3	18	62	41	16	35	H	
Armour, R. H.	45	48	34	11	22	24	8	30	4	28	33	8	53	44	20	27	H	
Aylsworth, B.	31	52	14	44	9	3	6	4	27	17	3	6	4	7	2	4	H	
Baldwin, F. W.	70	75	*	*	P	44	50	67	61	22	36	35	P	52	27	42		
Bell, G. G.	76	61	20	19	3	12	4	3	4	14	19	1	4	16	5	2	H	
Blaine, T. R.	90	81	24	37	47	77	66	55	66	*	*	18	49	52	29	48		
Bristol, W. M.	78	71	40	17	26	7	8	19	35	9	6	27	16	9	9	6	H	
Carson, W. R.	19	7	9	4	26	19	14	31	16	28	40	18	42	16	8	35	H	
Chantrell, E.	64	46	7	25	63	60	66	62	*	68	74	33	52	39	41	38		
Charlebois, J. P.	7	46	14	29	64	68	34	55	16	30	47	4	80	20	11	46	H	
Clement, S. R. A.	65	37	40	40	15	15	49	11	42	21	71	10	13	23	9	16	H	
Dowling F.	84	67	45	37	70	64	56	71	*	76	83	30	*	73	39	43		
Fierheller, H. S.	60	13	30	18	4	5	4	11	49	31	47	37	16	28	24	11	H	
Fletcher, H. M.	75	77	44	19	76	*	25	74	75	68	82	40	73	*	36	47		
Gordon, J. M.	39	7	32	7	79	63	81	72	78	68	*	39	*	60	42	45		
Harrison, F. W.	31	6	25	42	16	10	8	27	28	35	47	6	16	16	13	15	H	
Hewson, W. G.	26	3	3	46	38	48	23	9	31	64	6	25	34	36	13	9	H	
Howard, J. A.	53	41	7	1	74	*	81	67	72	*	71	35	56	49	38	11		
Jepson, W. C.	48	30	1	16	Ex	Ex	Ex	19	31	22	47	22	36	28	6	20	H	
Kribs, G.	26	50	20	22	40	39	36	25	21	6	28	16	21	31	16	3	H	
Leighton, J. W.	43	4	34	7	33	35	51	55	16	*	6	10	81	62	31	27		
MacKenzie, W. D.	89	52	43	27	84	64	43	65	*	64	83	*	82	75	44	33		
MacKinnon, W.	53	41	40	47	31	19	25	31	21	15	28	32	11	14	16	8	H	
McGorman, S. E.	30	19	46	32	8	6	23	15	7	8	19	9	37	31	6	5	H	
McLean, C. A.	31	19	17	22	7	19	29	7	13	10	47	3	3	2	3	13	H	
Mace, H.	39	18	36	5	49	24	11	38	61	57	13	13	67	49	31	27		
Moffat, R. W.	87	19	38	45	40	53	43	52	59	50	43	15	49	47	39	40		
Morden, L. W.	3	41	13	16	49	*	51	73	26	17	68	5	13	52	4	40		
Munro, G. R.	15	5	5	32	34	60	25	42	20	32	15	16	31	52	35	25	H	

I. Year.—Continued.

	<i>Drawing.</i>		<i>Practical Chemistry.</i>		<i>Practical Mineralogy.</i>		<i>Practical Electricity.</i>		<i>Experimental Physics.</i>		<i>Algebra.</i>		<i>Euclid.</i>		<i>Trigonometry.</i>		<i>Analytical Geometry.</i>		<i>Statics.</i>		<i>Dynamics.</i>		<i>Descriptive Geometry.</i>		<i>Surveying.</i>		<i>Elementary Chemistry.</i>		<i>Heat.</i>		<i>Electricity.</i>		<i>Elec. and Magnetism.</i>			
Mech. and Elec. Engineering.																																				
Nicklin, W. G.	50	23	..	14	11	40	41	10	21	28	38	33	41	25	3	20	24	H																		
Paterson, G. W. ...	25	7	..	26	29	13	13	18	16	72	56	33	18	21	31	31	16	H																		
Pattee, L. F.	70	83	..	46	48	22	16	20	50	42	35	75	25	56	36	34	32																			
Reynolds, G. B. ...	81	67	..	11	40	53	77	43	85	41	78	40	*	33	75	*	44																			
Richardson, W. L.	46	30	..	9	28	Ex	Ex	Ex	75	*	34	*	24	8	20	26	20																			
Serson, H. V.	11	7	..	19	7	59	74	57	47	38	38	*	27	44	73	22	35																			
Shirriff, C. H.	68	63	..	20	37	64	55	70	83	76	68	16	*	68	79	*	27																			
Simpson, A.	72	7	..	28	11	Ex	Ex	Ex	59	61	53	47	33	44	36	*	20																			
Sisson, C. E.	13	13	..	3	7	1	1	3	5	2	1	3	1	21	5	1	1	H																		
Stubbs, W. F.	20	13	..	11	22	40	52	58	27	66	50	16	10	83	28	28	16																			
Thomson, L. R.	82	56	..	6	35	28	55	34	29	31	38	68	30	16	57	43	33																			
Tillson, E. D.	72	37	..	2	5	62	31	40	63	23	50	36	22	25	44	22	10																			
Turner, W. E.	56	41	..	28	2	12	16	43	43	23	10	36	13	30	20	12	16	H																		
Uren, A. E.	76	27	..	38	43	55	37	64	51	*	35	56	*	35	63	19	20																			
Vaughan, J.	39	33	..	17	35	64	62	*	69	69	63	73	37	62	39	36	26																			
Wilkie, J. H.	48	27	..	30	3	67	77	63	*	35	53	47	27	*	60	29	13																			
Anal. and Appl. Chemistry.																																				
Bates, H. S.	56	2	1	20	11	Ex	Ex	Ex	..	69	43	21	4	..	25	25	7	H																		
Coleman, R. M.	88	23	1	44	32	69	*	77	..	61	*	75	27	..	68	45	49																			
Rothwell, T. E.	83	19	*	27	29	60	26	80	..	42	60	79	44	..	66	13	27																			
Wickett, W. E.	85	56	3	32	26	70	58	77	..	59	*	82	56	..	82	*	39																			

III. Year.

II. Year.—Continued.

	Drawing.	Construction Notes.	Thesis.	Field Notes.	Practical Mineralogy.	Practical Lithology.	Practical Chemistry.	Prac. Chem. (Quant.)	Experimental Physics.	Calculus.	Astronomy.	Spherical Trigonometry.	Descriptive Geometry.	Surveying.	Strength of Materials.	Rigid Dynamics.	Optics.	Hydrostatics.	Applied Chemistry.	Mineralogy.	Geology.	Lithology.	Metallurgy.	
Shepley, J. D.	60	62	8	36	12	..	44	..	34	29	11	23	32	22	52	7	6	16	28	15	9	..	8	H
Smith, D. A.	40	*	*	5	22	..	44	..	18	44	14	61	65	42	41	37	38	44	54	22	16	..	50	H
Townsend, D. T.	67	76	11	36	31	..	69	..	49	2	6	10	19	43	31	14	14	6	19	9	*	..	21	H
Trimble, A. V.	72	64	26	31	15	..	28	..	57	22	24	33	70	33	*	28	57	44	54	29	3	..	29	H
Walker, E. W.	17	46	19	22	17	..	34	..	11	19	10	8	12	11	18	21	6	12	3	12	3	..	13	H
Weir, J. M.	8	15	3	1	27	..	62	..	2	77	17	53	42	26	61	*	77	44	*	7	16	..	16	H
Wells, A. F.	18	17	8	31	5	..	6	..	14	5	1	4	7	2	5	1	9	1	11	1	4	..	8	H
Worthington, W. R. ..	78	57	3	26	26	..	84	..	68	7	16	47	19	12	13	24	31	23	18	*	38	..	31	H
Mining Engineering.																								
Chilver, C. A.	69	29	1	22	40	1	49	8	51	59	..	68	59	29	46	58	34	18	28	33	33	6	63	
Chilver, H. L.	75	29	2	12	11	12	4	2	46	53	..	71	68	25	56	42	69	82	54	22	29	2	33	
Coates, P. C.	68	67	12	41	18	8	62	11	72	48	..	14	73	18	24	35	48	27	19	11	5	9	18	
Elder, A. J.	48	53	3	41	16	10	28	6	76	66	..	75	56	*	61	66	24	68	24	23	23	13	40	
Fleck, J. G.	77	68	14	29	13	13	83	14	64	70	..	75	70	35	61	55	75	32	*	40	37	*	62	
Hill, S. N.	69	47	8	35	22	1	28	9	72	63	..	72	55	39	*	61	80	57	28	27	32	10	36	
Ingles, C. J.	56	18	11	31	1	1	23	1	74	36	..	77	81	29	61	37	47	27	45	14	22	12	68	
Jackson, E. R.	67	36	7	41	38	1	59	12	51	54	..	80	*	*	74	18	69	62	38	35	8	72	72	
Laing, P. A.	34	55	9	12	20	1	54	12	54	54	..	4	48	12	5	16	5	57	28	9	29	2	72	
MacKenzie, C. M.	12	22	9	12	29	1	7	4	42	1	..	27	44	*	60	13	62	62	64	12	27	4	*	
Parke, J.	30	68	12	26	5	11	23	6	75	63	..	*	58	6	37	74	64	57	28	19	7	1	52	
Rutherford, F. N.	38	27	4	22	36	9	59	6	Ex	67	..	4	3	22	4	3	26	62	64	27	29	7	43	
Wade, E.	19	73	6	7	3	7	14	2	30	4	..	4	3	1	4	3	26	57	28	5	2	5	3	
Young, W. H.	48	53	4	2	32	*	28	4	28	23	..	27	32	31	32	*	30	35	28	26	28	11	64	

II. Year.—Continued.

	<i>Drawing.</i>	<i>Construction Notes.</i>	<i>Thesis.</i>	<i>Practical Chemistry.</i>	<i>Practical Electricity.</i>	<i>Experimental Physics.</i>	<i>Calculus.</i>	<i>Spherical Trigonometry.</i>	<i>Descriptive Geometry.</i>	<i>Strength of Materials.</i>	<i>Rigid Dynamics.</i>	<i>Optics.</i>	<i>Hydrostatics.</i>	<i>Applied Chemistry.</i>	<i>Metallurgy.</i>	<i>Theory of Mechanism.</i>	<i>Electricity.</i>	
Mech. and Elec. Engineering.																		
Barrett, J. H.	25	40	12	2	29	18	54	56	70	50	68	31	70	5	37	28	24	
Bonnell, M. B.	51	57	28	74	39	24	33	53	51	18	37	73	53	63	*	23	28	
Brown, T. D.	57	79	11	69	40	66	80	64	30	59	42	78	60	64	48	37	32	
Burley, R. J.	61	73	29	28	25	11	77	51	35	*	72	12	32	19	20	20	21	
Burnham, F. W.	59	71	19	28	36	76	74	41	51	*	75	81	68	*	70	33	40	
Calder, J. W.	51	3	32	74	36	18	*	30	35	28	*	54	79	28	45	23	31	
Campbell, A. M.	61	63	26	78	25	76	17	14	22	32	23	8	14	45	19	19	10	H
Craig, S. E.	37	36	36	49	29	71	19	41	59	13	7	42	62	64	67	25	13	
Currie, W. M.	43	1	23	67	15	61	38	61	4	52	61	20	31	11	37	4	11	H
Depew, H. H.	76	25	15	23	22	54	58	47	77	68	28	79	40	19	58	31	28	
Gibson, W. S.	21	5	32	14	7	16	13	56	1	41	50	2	12	4	16	2	3	H
Gray, A.	43	7	10	44	15	5	33	41	43	38	75	57	24	8	*	14	25	
Gray, W. W.	11	64	37	7	28	14	10	23	7	15	27	62	11	28	5	6	18	H
Greenwood, W. K.	7	6	1	54	13	68	52	52	57	46	59	38	47	45	40	14	20	
Harris, C. J.	61	24	30	54	34	54	23	66	7	18	31	38	14	64	45	3	8	
Henderson, T. D.	38	73	31	71	29	76	59	37	35	18	47	56	35	11	29	26	19	
Keefe, W. S. H.	3	13	*	40	7	30	63	61	45	68	66	48	35	64	70	36	27	
McCuaig, O. B.	29	*	3	14	3	18	29	60	7	36	32	20	47	45	2	20	14	
McGibbon, C. P.	80	7	5	5	22	3	27	23	35	3	21	15	27	11	4	10	5	H
McKay, C. D.	79	49	7	44	29	34	23	37	64	24	11	44	40	45	*	13	37	
Manson, G. J.	*	33	21	80	7	59	10	30	22	70	18	34	40	54	21	P	11	
Milne, W. G.	73	24	38	67	1	46	*	81	77	*	75	44	66	64	26	28	34	
Moore, E. E.	30	25	14	40	29	59	45	39	32	*	47	48	18	19	55	20	21	
Munro, W. H.	5	27	4	14	4	4	54	19	30	56	71	23	40	54	50	9	8	H
Pace, G.	51	32	17	71	22	63	42	66	68	*	33	12	47	28	44	10	17	
Pardoe, W. S.	46	12	9	82	36	76	47	39	13	16	24	57	70	*	33	6	30	
Paris, J.	50	*	32	49	35	18	43	23	35	38	50	66	74	54	58	17	38	
Peaker, W. J.	61	40	12	23	13	48	33	70	65	35	45	55	66	28	72	26	21	
Pickering, A. E.	21	19	6	3	6	49	14	10	7	52	41	41	7	28	8	4	4	H
Riddell, M. R.	1	35	17	1	2	6	19	12	35	11	17	15	16	5	5	8	1	H
Roxburgh, G. S.	46	7	25	74	15	64	45	35	73	27	*	48	47	45	64	18	34	
Sauder, P. M.	14	*	*	62	25	18	59	47	59	56	79	34	47	72	76	39	32	
Slater, F. W.	40	19	15	40	15	57	70	*	48	75	61	69	78	*	64	38	36	
Smart, R. S.	9	43	23	34	11	34	3	3	2	2	7	9	7	8	1	1	6	H
Smither, W. J.	14	4	8	10	11	34	38	19	18	18	34	29	24	11	12	14	7	H
Townsend, C. J.	2	2	2	10	7	1	*	74	73	*	78	73	81	72	75	33	39	
Thomson, S. E.	19	49	32	49	15	51	16	41	5	61	26	48	24	19	*	32	26	
Tucker, B. B.	16	77	27	23	15	61	74	32	22	40	72	57	35	54	52	33	14	
Watson, J. P.	27	19	22	54	15	8	76	65	83	50	68	57	5	54	45	10	16	
Wright, W. F.	21	14	19	74	4	42	73	73	22	70	54	26	62	28	68	30	2	

III. Year.

	<i>Drawing.</i>	<i>Construction Notes.</i>	<i>Thesis.</i>	<i>Field Notes.</i>	<i>Experimental Physics.</i>	<i>Thermodynamics.</i>	<i>Hydraulics.</i>	<i>Descriptive Geometry.</i>	<i>Surveying & Levelling.</i>	<i>Least Squares.</i>	<i>Astronomy & Geodesy.</i>	<i>Applied Chemistry.</i>	<i>Mineralogy & Geology.</i>	<i>Theory of Construction.</i>	<i>Theory of Comp'd Stress.</i>	
Civil Engineering.																
Alison, J. G. R.....	26	37	16	7	13	53	49	*	22	57	19	50	30	19	*	
Burgess, E. L.....	9	2	4	16	11	8	24	5	8	22	5	30	20	11	26	H
Clarke, F. F.....	25	12	..	10	17	42	31	11	31	50	12	49	31	17	*	
Gardner, J. C.....	14	31	9	10	18	P	39	11	11	50	P	34	23	9	29	
Gillespie, P.....	16	4	2	16	8	19	21	1	4	3	9	19	7	1	16	H
Gourlay, W. A.....	35	21	8	7	5	21	5	47	27	47	15	46	8	5	24	
Hayes, L. J.....	11	12	6	3	13	44	53	47	24	28	16	22	26	16	41	
Henderson, F. D.....	8	38	14	26	7	22	20	7	1	6	11	2	5	10	6	H
Johnston, H.....	16	39	12	16	11	40	31	38	19	22	14	18	15	12	34	
Latornell, A. J.....	16	53	3	10	8	4	13	35	2	14	3	13	17	4	4	H
McAuslan, H. J.....	38	33	19	20	15	10	5	17	4	1	1	4	11	6	11	H
McNaughton, A. L.....	40	12	11	3	3	34	24	28	8	8	8	13	14	8	36	H
Moore, F. A.....	30	26	9	9	5	26	51	24	32	50	17	43	23	18	39	
Oliver, E. W.....	2	15	5	26	19	44	45	13	17	50	6	43	17	15	*	
Robertson, D. F.....	59	43	20	32	15	44	39	39	10	35	13	47	16	*	*	
Seymour, H. C.....	20	41	15	9	8	15	13	17	2	15	4	20	20	7	10	H
Smith, J. H.....	26	58	17	10	20	51	49	3	6	16	10	30	27	13	33	
Waldron, J.....	16	26	10	9	2	38	38	28	17	28	18	38	25	14	29	
Wilson, N. D.....	10	15	7	1	3	13	11	25	14	13	6	4	9	3	3	H
Young, C. R.....	1	3	1	1	1	5	3	13	6	3	2	1	3	1	9	H

III. Year—Continued.

	Mining Engineering.																																						
	<i>Drawing.</i>		<i>Construction Notes.</i>		<i>Thesis.</i>		<i>Field Notes.</i>		<i>Practical Chemistry.</i>		<i>Practical Mineralogy.</i>		<i>Practical Assaying.</i>		<i>Thermodynamics.</i>		<i>Hydraulics.</i>		<i>Descriptive Geometry.</i>		<i>Surveying & Levelling.</i>		<i>Least Squares.</i>		<i>Applied Chemistry.</i>		<i>Metallurgy.</i>		<i>Mineralogy & Geology.</i>		<i>Ore Deposits.</i>		<i>Mining & Ore Dressing</i>		<i>Theory of Construction.</i>				
Burd, J. H	32	49	10	20	8	9	5	*	34	*	15	21	23	10	13	4	10	34																					
Burwash, N. A . .	52	50	9	31	12	3	5	*	55	*	30	57	44	11	29	11	11	39																					
Coulson, C. L. . .	20	55	6	16	7	12	9	*	53	47	27	2	56	*	32	10	12	38																					
Fuce, E. O.	23	18	11	20	8	1	4	32	26	17	16	40	30	2	1	3	5	24	H																				
Hamilton, J. F. . .	26	50	8	20	2	9	5	52	39	*	24	42	23	8	17	5	6	31																					
Hanes, G. S. . . .	20	55	P	26	2	9	1	44	26	31	23	35	12	3	1	1	6	26																					
Harcourt, F. Y. .	43	10	1	26	6	8	10	25	48	17	24	42	23	6	20	7	3	17																					
Montgomery, R. H	13	6	3	26	4	1	5	14	19	6	12	10	13	4	4	8	1	15	H																				
Philp, D. H. . . .	35	58	5	5	10	3	12	35	39	22	19	54	52	9	9	6	4	32																					
Plunkett, T. H. . .	24	41	4	5	11	6	10	24	21	43	21	33	30	7	6	9	8	33																					
Umbach, J. E. . . .	48	58	7	20	4	6	1	44	*	28	29	*	13	5	12	11	9	36																					
Williams, C. G. . .	31	54	2	20	1	5	3	20	9	40	13	42	4	1	28	2	2	10	H																				

III. Year.—Continued.

	<i>Drawing.</i>	<i>Construction Notes.</i>	<i>Thesis.</i>	<i>Practical Electricity.</i>	<i>Experimental Physics.</i>	<i>Thermodynamics.</i>	<i>Hydraulics.</i>	<i>Descriptive Geometry.</i>	<i>Least Squares.</i>	<i>Applied Chemistry.</i>	<i>Theory of Construction.</i>	<i>Theory of Compound Stress.</i>	<i>Mechanics of Machinery.</i>	<i>Machine Design.</i>	<i>Magnetism & Electricity.</i>	
Mech. and Elec. Engineering.																
Acres, H. G.....	47	33	25	21	17	28	23	36	30	21	28	17	9	16	15	
Angus, H. H.....	53	15	5	24	17	3	11	22	16	4	3	7	4	11	9	H
Beatty, J. A.....	11	50	22	15	1	35	29	8	19	29	16	13	20	15	13	
Breslove, J.....	3	1	2	4	17	15	15	36	20	30	22	14	6	2	6	H
Davison, A. E.....	26	19	14	11	1	23	17	31	8	4	2	27	12	12	15	H
Fensom, C. J.....	35	25	3	15	9	*	*	31	42	52	23	37	17	19	22	
Gaby, F. A.....	6	20	4	4	17	8	2	2	11	13	8	14	1	1	3	H
George, R. E.....	39	31	20	18	9	37	30	41	47	41	17	12	23	10	5	
Jackson, J. G.....	57	43	24	6	1	28	39	*	38	38	20	18	21	23	7	
Johnston, C. K.....	41	24	7	17	23	18	46	47	32	41	24	18	13	12	15	
Lang A. G.....	46	7	20	18	27	28	36	46	40	50	14	22	24	21	26	
Larkworthy, W. J.....	4	5	1	1	1	40	39	43	54	44	27	*	27	27	25	
MacFarlane, J. A.....	45	21	18	3	9	28	49	9	42	26	11	23	19	17	14	
Maus, C. A.....	4	33	5	10	1	32	26	25	16	4	19	29	9	8	11	H
Miller, M. L.....	50	45	22	14	25	1	1	4	11	4	5	2	3	3	1	H
Mitchell, P. H.....	6	10	16	6	17	44	34	15	27	47	35	*	18	25	20	
Mullins, E. E.....	54	47	10	23	14	44	51	47	34	56	28	29	22	22	20	
Nevitt, I. H.....	48	21	9	26	26	7	17	31	22	30	7	21	5	14	11	
Oliver, J. P.....	56	26	11	25	17	43	46	47	54	52	36	37	26	19	24	
Pace, J. D.....	42	30	27	18	14	26	3	43	22	27	13	18	15	5	19	
Patten, B. B.....	58	40	17	6	23	17	31	27	22	28	6	8	7	4	4	
Pinkney, D. H.....	15	7	12	6	1	5	5	10	6	3	4	25	9	8	9	H
Shipe, H. M.....	33	7	8	2	1	10	5	15	38	4	12	1	16	5	2	H
Trees, S. L.....	43	26	12	11	9	12	16	41	3	30	9	27	8	5	15	
Wass, S. B.....	33	48	15	11	1	2	10	17	30	30	1	5	2	18	8	H
Whelihan, J. A.....	55	55	26	26	9	*	*	47	49	52	30	39	24	25	27	
White, H. F.....	59	45	18	21	14	39	36	47	35	56	20	35	13	24	23	

Architecture.

J. B. Challies passed in Drawing, Constructional Notes, Architectural Sketches, Experimental Physics, Descriptive Geometry, Hydraulics, Theory of Construction, Compound Stress, Applied Chemistry, Mineralogy, History of Architecture, Principles of Decoration, Elements of Design, History of Ornament, and Sanitary Science.

Analytical and Applied Chemistry.

J. A. Horton and F. G. Marriott passed with honors in the following subjects: Thesis, Experimental Physics, Practical Mineralogy, Practical Chemistry, Metallurgy, Applied Chemistry, Biology, Mineralogy and Geology, Organic Chemistry.

IV. Year.

(Names in Alphabetical Order.)

SCHOOL OF PRACTICAL SCIENCE CERTIFICATE.	THESIS.	THERMODYNAMICS AND THEORY OF HEAT ENGINES.
<i>Honors.</i> Brereton, W. P. Chace, W. G. Chadsey, S. B. Christie, W. Culbert, M. T. Gibson, A. E. Mathison, P. Powell, G. G. Sinclair, D. Sutherland, W. H. <i>Pass.</i> Blair, W. J. Connor H. V. Empey, J. M. Gagné, S. Knight, R. H. Madden, J. F. S. Robertson, H. D. Teasdale, C. M. Zahn, H.	<i>Honors.</i> Chace. Chadsey. Christie. Culbert. Gagné. Gibson. Mathison. Powell. Sinclair. Sutherland. Teasdale. Zahn. <i>Pass.</i> Blair. Brereton. Connor. Empey. Knight. Madden. Robertson.	<i>Honors.</i> Brereton. <i>Pass.</i> Chace. Connor. Mathison. Robertson. Sutherland Zahn.
HYDRAULICS.	ELECTRICITY AND MAGNETISM.	STRENGTH AND ELASTICITY OF MATERIALS.
<i>Honors.</i> Gagné. Gibson. <i>Pass.</i> Brereton. Powell. Sinclair.	<i>Honors.</i> Chace. Mathison. <i>Pass.</i> Madden. Robertson. Sutherland. Zahn.	<i>Honors.</i> Gagné. Gibson. Powell. <i>Pass.</i> Sinclair.

MINERALOGY AND GEOLOGY.	METALLURGY AND ASSAYING.	INDUSTRIAL CHEMISTRY.
<i>Honors.</i> Culbert.	<i>Honors.</i> Christie. Teasdale.	<i>Honors.</i> Chadsey.
<i>Pass.</i> Christie. Empey. Knight. Teasdale.	<i>Pass.</i> Culbert. Empey. Knight.	

INORGANIC & ORGANIC CHEMISTRY.	ASTRONOMY.	GEODESY AND METROLOGY.
<i>Honors.</i> Chadsey.	<i>Pass.</i> Blair.	<i>Pass.</i> Blair.

Occasional Students.

W. Elwell passed Examinations in Applied Electricity.

Supplementary Examinations Passed.

FIRST YEAR SUBJECTS.

Statics.—R. J. Burley, W. S. H. Keefe, C. D. McKay, F. W. Slater, C. J. Townsend, J. B. Watson, C. J. Ingles, H. P. Thompson.

Dynamics.—M. G. Kernahan, P. A. Laing, F. N. Rutherford, W. S. H. Keefe, F. W. Slater, J. H. Burd.

Descriptive Geometry.—H. N. Gzowski, R. J. Burley.

Trigonometry.—A. V. Chase, P. M. Yeates.

Analytical Geometry.—A. V. Chase, C. W. Allen, C. J. Ingles, T. D. Brown.

Algebra.—R. G. Weddell, C. W. Allen, R. A. Bryce, A. H. Legge.

Electricity and Magnetism.—H. E. Beatty.

Elementary Chemistry.—M. G. Kernahan, J. W. Calder.

Electricity.—H. E. Beatty, P. V. Jermyn, A. H. Legge, F. N. Rutherford, J. W. Calder, A. Gray, J. J. O'Sullivan, G. Pace, P. M. Sauder, C. J. Townsend, J. B. Watson.

Practical Electricity.—A. M. Campbell,

Surveying.—C. D. McKay, S. B. Code, E. M. M. Hill, S. N. Hill.

Drawing.—J. J. O'Sullivan.

Field Notes.—H. S. Southworth, J. G. Fleck.

SECOND YEAR SUBJECTS.

Calculus.—F. Y. Harcourt, C. J. Fensom, P. H. Mitchell.

Rigid Dynamics.—A. E. Davison, P. H. Mitchell, H. F. White, J. G. Alison, J. Waldron, J. P. Gordon, F. Y. Harcourt.

Optics.—H. S. Small, J. G. Alison.

Thesis.—B. B. Patten, J. A. Whelihan.

Metallurgy.—G. S. Hanes, D. H. Philip, C. K. Johnston, J. P. Oliver.

Applied Chemistry.—H. Johnston, A. L. McNaughton, E. W. Oliver, D. F. Robertson, N. A. Burwash, E. O. Fuco, J. F. Hamilton, D. H. Philip, T. H. Plunkett, J. B. Challies, J. A. Beatty, J. P. Oliver, H. S. Small, S. L. Trees, J. A. Whelihan, F. G. Marriott.

Strength of Materials.—S. L. Trees, H. F. White, F. F. Clarke, J. C. Gardner, F. A. Moore, D. F. Robertson, J. Waldron, N. A. Burwash, C. L. Coulson.

Construction Notes.—J. H. Jackson, J. D. Pace.

Descriptive Geometry.—C. K. Johnston, W. J. Larkworthy, J. H. Smith, J. F. Hamilton.

Organic Chemistry.—F. G. Marriott.

Mineralogy and Geology.—J. C. Gardner.

Astronomy.—F. F. Clarke.

Surveying.—A. L. McNaughton, E. W. Oliver, J. H. Smith, C. L. Coulson, G. S. Hanes, J. E. Umbach, J. B. Challies.

D. F. Robertson and J. P. Gordon, have fulfilled the conditions respecting vacation work.

THIRD YEAR SUBJECTS.

H. V. Connor passed in Theory of Construction and Compound Stress.

R. H. Knight fulfilled the conditions respecting vacation work.

Supplementary Examinations to be Taken.

FIRST YEAR SUBJECTS.

Statics.—E. Chantrell, F. Dowling, W. D. MacKenzie, J. N. Goodall, W. L. Richardson, A. E. Uren, G. H. Ferguson, J. M. McGregor, R. G. Weddell, J. O. Roddick, R. C. Ross, J. M. Wilson, F. C. Broadfoot, H. Horwood.

Dynamics.—G. S. Jones, J. MacInnes, F. F. Montague, H. W. Evans, L. C. McDonald, R. N. Merritt, J. E. Thompson, G. W. Wright, J. N. Goodall, T. R. Blaine, J. A. Howard, J. W. Leighton, R. M. Coleman, R. A. Bryce, W. E. Wickett, R. W. Morley, J. P. Gordon, P. E. Morton, P. B. Street, G. Pace.

Trigonometry.—J. Vaughan.

Euclid.—H. M. Fletcher, J. A. Howard, L. W. Morden, R. M. Coleman.

Analytical Geometry.—J. H. Wilkie, H. Horwood.

Descriptive Geometry.—O. B. Holmes, J. O. Roddick, L. C. McDonald, T. R. Blaine, J. M. Gordon, W. L. Richardson, H. V. Serson.

Electricity and Magnetism.—J. C. Boeckh.

Surveying.—W. D. MacKenzie, C. H. Shirriff, A. E. Uren, O. B. Holmes, J. M. MacInnes, H. W. Evans, G. W. Wright, G. B. Reynolds, H. P. Thompson.

Elementary Chemistry.—F. Dowling, J. M. Gordon, J. H. Wilkie, S. Hett, J. M. Wilson, C. Hertzberg, R. N. Merritt.

Heat.—H. M. Fletcher.

Electricity.—W. E. Wickett, C. H. Shirriff, A. Simpson, G. B. Reynolds, J. C. Boeckh.

Practical Mineralogy.—C. H. Ferguson, S. Hett, A. Latornell, C. Hertzberg, T. E. Rothwell.

Experimental Physics.—F. W. Baldwin.

Practical Electricity.—F. W. Baldwin.

Algebra.—H. S. Southworth.

SECOND YEAR SUBJECTS.

Calculus.—J. W. Calder, W. G. Milne, C. J. Townsend.

Optics.—H. E. Beatty, N. C. Cameron.

Descriptive Geometry.—P. A. Laing.

Surveying.—A. J. Elder, P. A. Laing.

Spherical Trigonometry.—A. J. Elder, F. N. Rutherford, F. W. Slater.

Strength of Materials.—A. V. Trimble, S. N. Hill, C. J. Ingles, R. J. Burley, F. W. Burnham, W. G. Milne, E. E. Moore, G. Pace, C. J. Townsend, R. W. Morley, W. J. Larkworthy.

Rigid Dynamics.—D. McMillan, J. M. Weir, W. H. Young, J. W. Calder, G. S. Roxburgh.

Applied Chemistry.—F. B. Reid, J. M. Weir, J. G. Fleck, F. W. Burnham, W. S. Pardoe, F. W. Slater.

Metallurgy.—S. B. Code, E. M. M. Hill, F. B. Reid, C. M. MacKenzie, M. B. Bonnell, A. Gray, C. D. McKay, S. E. Thomson.

Geology.—N. C. Cameron, P. V. Jermyn, D. McMillan, A. V. Trimble.

Mineralogy.—H. E. Beatty, W. R. Worthington.

Lithology.—J. G. Fleck.

Practical Lithology.—W. H. Young.

Practical Mineralogy.—U. W. Christie.

Thesis.—D. A. Smith, W. S. H. Keefe, P. M. Sauder.

Construction Notes.—D. A. Smith, O. B. McCuaig, J. Paris, P. M. Sauder.

Drawing.—G. J. Manson.

THIRD YEAR SUBJECTS.

Descriptive Geometry.—J. G. Alison, J. H. Burd, N. A. Burwash, J. F. Hamilton, J. G. Jackson, H. S. Small.

Thermodynamics.—J. H. Burd, N. A. Burwash, C. L. Coulson, C. J. Fenson, J. A. Whelihan.

Hydraulics.—J. E. Umbach, C. J. Fenson, J. A. Whelihan.

Theory of Construction.—D. F. Robertson.

Compound Stress.—J. C. Alison, F. F. Clarke, E. W. Oliver, D. F. Robertson, W. J. Larkworthy, P. H. Mitchell.

Method of Least Squares.—J. E. Umbach.

Metallurgy.—C. L. Coulson.

Machine Design.—H. S. Small.

Thesis.—J. B. Challies.

Candidates will not be allowed to enter the fourth (Post Graduate) year until they have passed their Supplemental Examinations.



Ontario School of Practical Science

TORONTO

FACULTY OF
APPLIED SCIENCE AND ENGINEERING
OF
THE UNIVERSITY OF TORONTO

Class List, 1904

FACULTY OF THE SCHOOL.

<i>Principal</i>	J. GALBRAITH, M.A., LL.D.
<i>Registrar</i>	A. T. LAING, B.A.Sc.

MEMBERS OF TEACHING STAFF :

J. GALBRAITH, M.A., LL.D	<i>Professor of Engineering (Chairman).</i>
W. HODGSON ELLIS, M.A., M.B.	<i>Professor of Applied Chemistry.</i>
A. P. COLEMAN, M.A., Ph.D	<i>Professor of Geology.</i>
L. B. STEWART, O.L.S., D.T.S.	<i>Professor of Surveying and Geodesy.</i>
C. H. C. WRIGHT, B.A.Sc., Mem.O.A.A.	<i>Professor of Architecture.</i>
T. R. ROSEBRUGH, M.A.	<i>Professor of Electrical Engineering.</i>
G. R. MICKLE, B.A.	<i>Lecturer in Mining.</i>
R. W. ANGUS, B.A.Sc	<i>Lecturer in Mechanical Engineering.</i>
J. MCGOWAN, B.A., B.A.Sc	<i>Lecturer in Applied Mechanics.</i>
J. W. BAIN, B.A.Sc.	<i>Lecturer in Applied Chemistry.</i>
H. G. MCVEAN, B.A.Sc.	<i>Demonstrator in Mechanical Engineering.</i>
H. W. PRICE, B.A.Sc.	<i>Demonstrator in Electrical Engineering.</i>
A. E. DAVISON, Grad. S.P.S	<i>Fellow in Civil Engineering.</i>
J. G. McMILLAN, B.A.Sc.	<i>Fellow in Mining Engineering.</i>
S. B. WASS, Grad. S.P.S.	<i>Fellow in Mechanical Engineering.</i>
H. M. SHIPE, Grad. S.P.S	<i>Fellow in Electrical Engineering.</i>
E. G. R. ARDAGH, B.A.Sc.	<i>Fellow in Chemistry.</i>
C. G. WILLIAMS, Grad. S.P.S	<i>Fellow in Chemistry.</i>
J. R. COCKBURN, B.A.Sc.	<i>Fellow in Drawing.</i>
J. L. R. PARSONS, B.A.	<i>Fellow in Surveying.</i>
F. G. MARRIOTT, Grad. S.P.S.	<i>Lecture Assistant in Chemistry.</i>

MEMBERS OF THE FACULTY OF ARTS

Whose classes are attended by the Regular Students of the School :

JAMES LOUDON, M.A., LL.D	<i>President and Professor of Physics.</i>
R. RAMSAY WRIGHT, M.A., LL.D.	<i>Professor of Biology.</i>
ALFRED BAKER, M.A.	<i>Professor of Mathematics.</i>
W. R. LANG, D.Sc	<i>Professor of Chemistry.</i>
T. L. WALKER, M.A., Ph.D.	<i>Professor of Mineralogy.</i>
W. L. MILLER, B.A., Ph.D.	<i>Associate Professor of Physical Chemistry.</i>
W. J. LOUDON, B.A.	<i>Associate Professor in Physics.</i>
C. A. CHANT, M.A.	<i>Lecturer in Physics.</i>
J. C. McLENNAN, B.A., Ph.D.	<i>Associate Professor in Physics.</i>
ALFRED T. DELURY, B.A.	<i>Associate Professor in Mathematics.</i>
J. C. FIELDS, B.A. Ph.D.	<i>Lecturer in Mathematics.</i>
W. A. PARKS, B.A., Ph.D.	<i>Lecturer in Mineralogy.</i>
F. B. KENRICK, M.A., Ph.D.	<i>Lecturer in Chemistry.</i>
F. B. ALLAN, M.A., Ph.D.	<i>Lecturer in Chemistry.</i>
E. F. BURTON, B.A.	<i>Assistant Demonstrator in Physics.</i>
L. K. FILE, B.A.	<i>Assistant in Mathematics.</i>
M. T. CULBERT, B.A.Sc.	<i>Class Assistant in Mineralogy.</i>
H. L. KERR, B.A.	<i>Class Assistant in Mineralogy.</i>

RESULTS
—OF—
ANNUAL EXAMINATIONS
Session 1903-1904.

DEPARTMENTS.

CIVIL ENGINEERING.
MINING ENGINEERING.
MECHANICAL AND ELECTRICAL ENGINEERING.
ARCHITECTURE.
ANALYTICAL AND APPLIED CHEMISTRY.

DEGREES.

BACHELOR OF APPLIED SCIENCE (B.A.Sc.)
CIVIL ENGINEER (C.E.)
MINING ENGINEER (M.E.)
MECHANICAL ENGINEER (M.E.)
ELECTRICAL ENGINEER (E.E.)

Candidates are arranged alphabetically in the Departments and in the
4th or Post-Graduate Year, in two classes, Honours and Pass.

University of Toronto.

FACULTY OF APPLIED SCIENCE AND ENGINEERING

DEGREE OF B.A.Sc. (Bachelor of Applied Science).

Edwards, W. M.	McBride, A. H.	Patten, B. B.
Fensom, C. J.	McFarlane, J. A.	Plunkett, T. H.
Gardner, J. C.	Nevitt, I. H.	Smith, H. G.
Hamilton, J. F. (aegr.)	Oliver, E. W.	Trees, S. L.
Mackintosh, D.	Pace, J. D.	

DEGREE of B.A.Sc. (with Honours).

Angus, H. H.	Gibson, N. R.	Wilson, N. D.
Gaby, F. A.	Gillespie, P.	

C. L. Coulson must pass a supplemental examination before he is eligible for the degree.

School of Practical Science.

DEPARTMENT OF CIVIL ENGINEERING.

HONOURS.

FIRST YEAR.	FIRST YEAR.	THIRD YEAR.
Bourne, O. B. Carruthers, A. L. Carroll, M. J. Cook, W. A. M. Glendinning, G. Johnston, C. Mackay, A. G. McKenzie, J. A. McNab, J. V. McQuarrie, M. K. Menzies, J. M. Parsons, J. E.	Pringle, H. L. Routly, H. T. Scott, W. A. Stewart, W. M.	Code, T. F. Cowan, W. A. Crerar, S. R. Ford, A. L. McFarlane, W. G. Moorhouse, W. N. Sheply, J. D. Walker, E. W. Wells, A. F.
	SECOND YEAR.	
	Barber, W. Crosby, N. L. Loudon, T. R. Moore, W. J. Treadgold, W. M.	

PASS.

FIRST YEAR.	FIRST YEAR.	SECOND YEAR.
Arens, A. H. Baker, M. H. Bellisle, J. P. Brown, T. W. Brian, M. E. Bunnell, A. E. K. Cavell, E. J. Cook, A. B. Greene, W. H. Greene, P. W. Grant, L. E. H. Harris, C. R. Harrison, E. Harrison, R. L. Houston, R. S. Jones, G. R. Keith, H. P. Lang, J. L. Mitchell, B. F. Murdock, C. R. Power, C. W. Ross, K. G. Rogers, C. B. Siebert, F. V. Strathy, E. S. G.	Taylor, W. C. Thompson, P. M. Walker, W. J.	Swan, W. G. Sykes, F. H. Traill, J. J. Wagner, H. L. Wallace, W. W. Webster, W. G.
	SECOND YEAR.	
	Alport, F. Boeckh, J. C. Chase, A. V. Ferguson, G. H. Henry, E. A. Hendry, M. C. Jones, G. S. Jupp, A. E. Latornell, A. McGregor, W. W. O'Brien, E. D. Phillips, E. P. A. Rayner, G. W. Smith, F. R. S. Southworth, H. S. Stewart, L. D. N. Stewart, M. A. Sturdy, N. H.	THIRD YEAR.
		Campbell, A. J. Cameron, N. C. Christie, U. W. Harà, L. D. Heron, J. B. Hill, E. M. M. James, E. A. Jermyn, P. V. McEwen, G. G. Raymond, D. C. Townsend, D. T. Trimble, A. V. Weir, J. M. Worthington, W. R.

H. E. Beatty, S. B. Code, J. N. Goodall, J. P. Gordon, D. McMillan, R. W. Morley, F. B. Reid, L. Robinson, D. A. Smith, of the third year, must pass supplemental examinations before they are eligible for the diploma.

PRIZE.

THIRD YEAR—CIVIL ENGINEERING.—Moorhouse, W. N.

This prize is the gift of Mr. T. Kennard Thomson, C.E., of New York.

DEPARTMENT OF MINING ENGINEERING.

HONOURS.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Huber, W. Purser, R. C. Rolfson, O.	Begg, W. A. Scott, G. S.	Wade, E.

PASS.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Acton, C. S. Banting, E. W. Bates, M. Bissett, G. W. Hassard, E. J. MacKenzie, K. A. Murphy, C. J. Ryckman, J. H. Stirrett, G. P.	Campbell, W. C. Hertzberg, C. S. L. McKenzie, D. W. McLean, W. N. Pullen, E. F. Ramsey, G. L.	Chilver, C. A. Ingles, C. J. Parke, J. Rutherford, F. N.

H. L. Chilver, P. C. Coates, A. J. Elder and S. N. Hill of the third year must pass supplemental examinations before they are eligible for the diploma.

DEPARTMENT OF MECHANICAL AND ELECTRICAL ENGINEERING.

HONOURS.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Amos, W. L. Armer, J. C. Barber, F. Blackwood, W. C. Colhoun, C. A. Davis, R. S. Hamilton, C. B. Harkness, A. L. Hookway, C. W. Hull, A. H. Linton, A. P. Maclachlan, W. Mellwraith, D. G. Marrs, D. W. Sanders, W. K. Sewell, R. L. Vickery, C. L. Wilson, J. N. Wood, E. M.	Aylsworth, C. B. Bell, G. G. Carson, W. R. Harrison, F. W. Kribs, G. Sisson, C. E. Stubbs, W. F. Tillson, E. D. Turner, W. E.	Alexander, J. H. Barrett, J. H. Campbell, A. M. McGibbon, C. P. Pickering, A. E. Riddell, M. R. Smart, R. S.

PASS.

FIRST YEAR.	FIRST YEAR.	SECOND YEAR.
Arnott, G. C. Bavidge, J. H. Beck, W. F. Betts, H. H. Brady, W. S. Brandon, H. E. Byam, F. M. Cameron, A. Campbell, W. A. Carroll, A. M. Chadwick, R. E. C. Christie, F. Clendenning, C. A. Crawford, A. Death, N. P. F. Doidge, E. H. Dundass, C. S. Fear, S. L. Grasett, C. S. Gray, J. Hare, R. A. Hartney, J. C. Hillis, C. R. Hopkins, R. H. Housser, H. B. Jones, T. Kee, I. C. Keppy, J. D. Lamb, G. J. Macdonald, F. R. McPherson, J. A. Maguire, H. C. Maxwell, W. A. Meader, J. E.	Meader, C. H. Miller, L. R. Moleſworth, G. N. Park, D. G. Pennington, C. H. L. Pierce, J. W. Ritchie, H. C. Robertson, N. R. Silcox, A. B. Young, J. Zimmer, A. R.	Paterson, G. W. Richardson, W. L. Serson, H. V. Shirriff, C. H. Thomson, L. R. Uren, A. E. Vaughan, J. M. Wilkie, J. H. N. Yeates, P. M.
	SECOND YEAR.	THIRD YEAR.
	Armour, R. H. Arens, H. W. Baldwin, F. W. Bristol, W. M. Charlebois, J. P. Chantrell, E. Clement, S. R. A. Dowling, F. F. Fierheller, H. S. Hewson, W. G. Leighton, J. W. McGorman, S. E. McLean, C. A. Mace, T. H. Moffatt, R. W. Morden, L. W. Munro, C. R. Nicklin, W. G.	Brown, T. D. Calder, J. W. Craig, S. E. Currie, W. M. Gibson, W. S. Gray, W. W. Greenwood, W. K. Harris, C. J. Keefe, W. S. H. McCuaig, O. B. McKay, C. D. Moore, E. E. Munro, W. H. Pace, G. Pardoe, W. S. Paris, J. Smither, W. J. Tucker, B. B. Watson, J. P. Wright, W. F.

M. B. Bonnell, F. W. Burnham, R. J. Burley, H. H. Depew, A. Gray, T. D. Henderson, G. J. Manson, W. J. Peaker, G. S. Roxburgh, P. M. Sauder, F. W. Slater, S. E. Thomson, of the third year, must pass supplemental examinations before they are eligible for the diploma.

DEPARTMENT OF ARCHITECTURE.

PASS.

FIRST YEAR—A. G. Creighton, W. N. Daniels, F. C. Downey,
A. W. McConnell.

DEPARTMENT OF ANALYTICAL AND APPLIED CHEMISTRY.

HONOURS.

FIRST YEAR—C. C. Forward.

PASS.

FIRST YEAR—J. J. Beeman, D. E. Beynon, C. W. Graham, C. A. Peterson,
R. E. Pettingill.

SECOND YEAR—T. E. Rothwell, W. E. C. Wickett.

STANDING IN SUBJECTS.

The numerals indicate rank in the class, H indicates Honours on the total, Ex exemption, * that a supplemental in the subject must be taken, and † that aegrotat standing in the subject has been given.

I. Year.

	<i>Drawing.</i>	<i>Field Notes.</i>	<i>Practical Mineralogy.</i>	<i>Practical Chemistry.</i>	<i>Algebra.</i>	<i>Euclid.</i>	<i>Trigonometry.</i>	<i>Analytical Geometry.</i>	<i>Statics.</i>	<i>Dynamics.</i>	<i>Descriptive Geometry.</i>	<i>Surveying.</i>	<i>Elementary Chemistry.</i>	<i>Mineralogy.</i>	<i>Heat.</i>	
Civil Engineering.																
Arens, A. H.	73	39	49	120	71	44	44	106	99	55	91	24	106	31	80	
Baker, M. H.	19	39	1	58	103	101	94	74	101	*	49	41	*	47	124	
Bellisle, J. P.	68	41	56	43	19	48	18	48	27	55	85	51	62	15	69	
Brown, T. W.	76	25	17	97	75	68	56	94	69	77	97	97	93	29	120	
Bourne, O. B.	18	17	23	112	55	13	9	35	36	77	8	28	61	6	28	H
Brian, M. E.	37	3	24	43	55	73	63	58	72	36	113	38	88	30	76	
Bunnell, A. E. K.	83	19	15	5	31	65	39	48	55	74	71	101	35	20	57	
Carruthers, A. L.	15	8	3	3	Ex	Ex	Ex	4	7	15	2	10	8	2	69	H
Cavell, E. J.	75	21	9	116	82	*	56	72	45	53	73	31	18	*	111	
Carroll, M. J.	88	21	44	83	16	32	67	27	45	13	51	31	25	35	41	H
Cook, W. A. M.	79	27	26	51	18	17	4	20	10	23	6	75	2	16	16	H
Cook, A. B.	68	48	37	100	68	88	67	96	*	104	109	*	88	35	80	
Greene, W. H.	32	59	*	124	98	95	114	39	*	128	85	45	106	*	128	
Greene, P. W.	91	17	52	113	84	51	48	74	34	67	26	51	62	39	56	
Glendinning, G.	45	8	61	94	Ex	Ex	Ex	56	31	43	18	15	18	25	66	H
Grant, L. E. H.	108	Ex	61	123	24	23	18	88	81	69	89	86	87	*	123	
Harris, R. C.	3	1	44	97	59	46	79	77	55	85	26	55	106	38	28	
Harrison, E.	50	27	49	66	30	20	26	48	108	110	116	108	*	23	57	
Harrison, R. L.	45	41	52	121	Ex	Ex	Ex	27	61	42	100	7	45	Ex		
Houston, R. S.	13	34	1	58	14	8	33	12	38	43	8	19	*	20	6	
Johnston, C.	41	25	20	58	Ex	Ex	Ex	2	3	3	13	1	57	5	4	H
Jones, G. R.	100	27	*	58	50	56	51	80	25	85	64	36	92	*	80	
Keith, H. P.	96	47	*	51	104	109	111	*	116	118	89	69	106	*	114	
Lang, J. L.	123	60	54	116	Ex	Ex	Ex	7	40	15	32	24	18	3	Ex	
Mackay, A. G.	47	8	4	26	19	43	10	69	12	33	34	8	8	42	16	H
McKenzie, J. A.	52	53	12	66	3	5	16	7	4	7	15	1	35	18	41	H
McNab, J. V.	105	8	48	20	32	12	23	20	45	7	15	10	5	10	41	H
McQuarrie, M. K.	21	34	24	26	19	18	3	12	11	28	26	28	38	8	6	H
Mitchell, B. F.	26	37	32	26	50	78	39	66	*	95	51	80	96	*	115	
Menzies, J. M.	70	15	7	2	3	2	14	28	6	4	4	10	1	1	69	H
Murdock, C. R.	41	32	32	51	63	97	56	67	84	61	57	91	106	47	57	
Parsons, J. E.	13	1	20	58	Ex	Ex	Ex	55	27	37	67	108	38	16	41	H
Power, C. W.	41	8	8	107	108	107	79	108	72	126	122	94	*	*	106	
Pringle, H. L.	79	37	19	83	3	8	26	18	17	40	34	38	38	4	15	H
Ross, K. C.	107	57	59	72	Ex	Ex	Ex	48	96	69	38	51	93	42	80	
Routly, H. T.	41	8	39	91	93	56	34	60	14	48	11	13	53	6	74	H
Rogers, C. H.	96	53	39	102	41	41	48	52	40	20	42	21	53	*	99	
Scott, W. A.	32	27	4	43	53	20	34	30	23	40	15	30	3	28	69	H
Siebert, F. V.	105	32	17	104	71	11	94	41	60	13	72	45	25	*	80	
Strathy, E. S. C.	121	21	37	107	61	79	71	113	*	122	120	51	68	*	41	
Stewart, W. M.	21	27	12	43	15	25	39	33	40	24	54	16	11	20	57	H
Taylor, W. C.	100	6	32	43	*	95	115	100	101	119	51	86	79	*	115	
Thompson, P. M.	115	44	30	51	98	91	105	70	76	77	45	60	106	23	80	
Walker, W. J.	32	3	54	15	84	*	99	100	106	106	80	*	79	40	97	

I. Year.—Continued.

	<i>Drawing.</i>		<i>Field Notes.</i>		<i>Practical Chemistry.</i>		<i>Practical Mineralogy.</i>		<i>Algebra.</i>		<i>Euclid.</i>		<i>Trigonometry.</i>		<i>Analytical Geometry.</i>		<i>Statics.</i>		<i>Dynamics.</i>		<i>Descriptive Geometry.</i>		<i>Surveying.</i>		<i>Elementary Chemistry.</i>		<i>Mineralogy.</i>		<i>Heat.</i>		
Mining Engineering.																															
Acton, C. S.	79	44	83	49	89	102	84	114	84	69	122	80	74	42	101																
Banting, E. W.	26	57	72	60	46	52	48	59	30	48	80	80	72	37	106																
Bates, M.	60	48	58	39	68	59	71	52	91	57	78	108	22	19	106																
Bissett, G. W.	86	48	107	30	75	83	34	112	69	81	88	69	78	*	80																
Hassard, E. J.	52	53	20	44	37	62	14	77	79	88	67	55	5	13	80																
Huber, W.	26	44	15	11	26	36	23	35	36	33	76	9	79	13	26																H
MacKenzie, K. A.	108	34	97	9	66	Ex	105	101	40	110	91	65	11	27	41																
Murphy, C. J.	54	43	72	15	46	32	44	37	21	30	38	103	53	25	80																
Purser, R. C.	32	15	116	32	Ex	Ex	Ex	30	21	7	14	3	22	31	1																H
Rolfson, O.	76	21	35	26	Ex	Ex	Ex	17	31	10	12	17	25	10	80																H
Ryckman, J. H.	127	48	113	26	7	29	26	45	34	15	18	75	88	*	57																
Stirrett, G. P.	79	48	80	14	26	4	42	44	40	28	74	17	106	40	104																

I. Year.—Continued.

	Mech. and Elec. Engineering.																															
	Drawing.	Practical Chemistry.		Practical Electricity.		Experimental Physics.		Algebra.		Euclid.		Trigonometry.		Analytical Geometry.		Statics.		Dynamics.		Descriptive Geometry.		Surveying.		Elementary Chemistry.		Heat.		Electricity.		Elec. & Magnetism.		
Amos, W. L.	8	26	10	42	22	15	10	41	45	59	109	31	34	53	17	25															H	
Arnot, G. C.	55	83	53	65	*	85	81	104	*	104	91	31	106	80	60	57																
Armer, J. C.	6	11	6	2	84	36	32	16	19	67	22	42	88	41	26	5															H	
Barber, F.	9	26	16	42	1	1	4	1	2	5	1	5	51	1	5	1															H	
Bavidge, J. H.	73	6	10	3	96	†	92	109	45	†	104	65	74	†	†	†																
Beck, W. F.	60	66	64	57	87	56	88	117	108	106	91	103	106	34	56	*																
Betts, H. H.	126	107	*	35	Ex	Ex	Ex	37	84	6	99	65	106	57	14	29																
Blackwood, W. C.	50	43	58	35	7	20	76	61	45	33	62	80	72	16	22	22															H	
Brady, W. S.	60	14	50	65	80	85	84	85	96	59	22	*	79	166	13	19																
Brandon, H. E.	76	20	28	23	42	62	56	88	55	69	57	85	25	101	54	60																
Byam, F. M.	15	15	41	11	42	97	71	33	84	88	55	97	106	115	39	21																
Cameron, A.	117	26	58	30	105	46	71	20	23	95	104	60	32	119	37	35																
Campbell, A. W.	92	83	33	68	71	65	*	*	63	64	38	94	53	8	46	12																
Carroll, A. M.	129	122	41	23	96	79	*	111	120	110	63	55	101	113	*	61																
Chadwick, R. E. C.	64	43	28	17	75	*	76	90	91	92	104	38	32	40	29	17																
Christie, F.	119	35	61	11	29	32	23	85	91	99	78	75	106	115	40	61																
Clendening, C. A.	64	35	38	40	39	89	102	72	*	74	80	65	96	101	42	*																
Colhoun, G. A.	30	35	2	17	7	6	20	6	7	2	57	14	17	13	4	9															H	
Crawford, A.	58	26	47	53	64	91	98	98	*	127	*	103	106	120	56	61																
Davis, R. S.	83	72	38	57	32	27	20	28	55	11	5	23	62	16	7	49															H	
Death, N. P. F.	30	58	25	25	48	60	56	96	101	57	91	26	35	53	34	14																
Doidge, E. H.	4	26	3	1	98	100	99	92	72	99	104	94	104	80	19	57																
Dundass, C. S.	58	23	37	42	75	42	34	24	*	88	22	31	10	78	37	52																
Fear, S. L.	47	106	56	14	89	110	92	92	117	95	98	*	106	99	*	33																
Grasett, C. S.	108	111	65	30	108	65	*	109	108	74	116	108	25	57	50	42																
Gray, J.	70	6	10	30	58	28	30	20	59	110	113	46	22	8	30	33																
Hare, R. A.	95	83	6	30	35	44	46	45	79	119	*	69	93	120	46	52																
Hamilton, C. B.	92	35	4	23	42	39	51	43	14	20	29	19	68	28	22	6															H	
Hartney, J. C.	124	80	41	59	32	13	65	74	*	102	47	69	38	74	8	6																
Harkness, A. L.	21	20	22	7	28	29	16	30	25	30	37	42	38	34	27	19															H	
Hillis, C. R.	32	51	38	14	37	39	29	18	63	64	57	75	38	41	34	49																
Hopkins, R. H.	103	6	18	53	87	91	102	70	45	26	74	113	38	80	12	35																
Hookway, C. W.	66	6	28	48	7	18	12	4	17	38	42	80	38	41	15	11															H	
Housser, H. B.	96	66	*	40	71	73	105	98	119	124	76	*	67	126	46	49																
Hull, A. H.	11	11	4	7	7	23	4	10	5	11	33	45	11	41	17	3															H	
Jones, T.	100	43	28	35	104	62	62	77	84	48	67	45	79	28	21	35																
Kee, I. C.	120	91	54	7	*	89	102	85	96	124	80	116	106	76	*	64																
Keppy, J. D.	47	72	25	17	42	79	99	90	66	45	29	86	96	24	30	44																
Lamb, G. J.	89	51	22	59	66	73	51	114	69	88	64	103	68	57	42	35																
Linton, A. P.	115	72	25	27	7	29	20	14	45	26	47	49	68	55	15	35															H	

I. Year.—Continued.

	<i>Drawing.</i>	<i>Practical Chemistry.</i>	<i>Practical Electricity.</i>	<i>Experimental Physics.</i>	<i>Algebra.</i>	<i>Euclid.</i>	<i>Trigonometry.</i>	<i>Analytical Geometry.</i>	<i>Statics.</i>	<i>Dynamics.</i>	<i>Descriptive Geometry.</i>	<i>Surveying.</i>	<i>Elementary Chemistry.</i>	<i>Heat.</i>	<i>Electricity.</i>	<i>Elec. and Magnetism.</i>	
Mech. and Elec. Engineering.																	
Macdonald, F. R.	108	116	*	64	83	105	51	80	99	77	80	60	38	57	*	*	
MacLachlan, W.	108	94	18	16	50	25	88	45	20	46	64	21	51	13	11	10	H
McIlwraith, D. G.	1	40	14	27	68	68	61	80	61	48	29	69	57	3	50	30	H
McPherson, J. A.	55	51	34	35	75	60	87	62	91	81	91	86	74	68	56	54	
Maguire, H. C.	125	194	61	53	108	73	110	*	62	116	38	108	96	104	*	44	
Maxwell, W. A.	38	102	28	35	59	52	67	*	31	30	113	55	57	34	20	1	
Marrs, D. W.	21	40	10	30	7	6	8	10	1	15	49	60	62	16	9	3	H
Meador, J. E.	40	72	41	63	64	34	76	39	91	48	57	91	101	80	36	54	
Meador, C. H.	117	80	47	42	16	68	42	56	84	61	120	101	62	73	55	57	
Miller, L. R.	108	104	*	61	53	36	81	62	76	39	*	55	74	34	32	35	
Molesworth, G. N. ...	21	72	18	6	89	*	84	114	72	106	85	75	106	80	*	44	
Park, D. G.	15	26	16	42	98	48	105	101	106	64	116	*	104	28	50	54	
Pennington, C. H. L..	60	66	47	48	98	73	88	118	108	81	122	113	96	8	40	27	
Pierce, J. W.	5	15	56	17	80	68	65	84	101	103	99	42	38	80	33	44	
Ritchie, H. C.	103	40	54	65	24	102	34	62	108	115	*	91	106	127	*	65	
Robertson, N. R.	89	91	50	48	55	85	88	80	*	115	109	103	38	8	56	30	
Sanders, W. K.	10	66	34	7	Ex	Ex	Ex	14	7	1	8	3	11	4	9	12	H
Sewell, R. L.	11	19	6	17	35	48	63	25	61	40	34	69	57	16	25	17	H
Silcox, A. B.	96	58	61	11	48	52	51	67	76	92	45	*	18	41	42	44	
Vickery, C. L.	19	20	22	27	2	10	1	7	12	47	22	5	11	23	3	23	H
Wilson, J. N.	7	1	1	3	6	15	7	25	101	15	26	26	25	24	5	15	H
Wood, E. M.	55	4	41	17	Ex	Ex	Ex	3	14	23	7	7	11	8	1	16	H
Young, J.	92	13	58	42	93	83	94	52	84	53	169	86	25	34	60	27	
Zimmer, A. R.	70	6	34	48	39	68	13	62	66	92	20	49	79	28	27	24	

I. Year.—Continued.

	<i>Drawing.</i>	<i>Practical Chemistry.</i>	<i>Practical Mineralogy.</i>	<i>Practical Electricity.</i>	<i>Experimental Physics.</i>	<i>Field Notes.</i>	<i>Arch. Sketches.</i>	<i>Algebra.</i>	<i>Euclid.</i>	<i>Trigonometry.</i>	<i>Analytical Geometry.</i>	<i>Statics.</i>	<i>Dynamics.</i>	<i>Descriptive Geometry.</i>	<i>Surveying.</i>	<i>Elementary Chemistry.</i>	<i>Heat.</i>	<i>Electricity.</i>	<i>Mineralogy.</i>	<i>Hist. of Architecture.</i>	<i>Elec. & Magnetism.</i>	H
Analytical and Applied Chemistry.	Beeman, J. J.	86	4	56	Ex	Ex	..	Ex	Ex	Ex	..	45	85	67	..	4	78	22	31	..	42	42
	Beynon, D. E.	114	2	6	25	61	..	52	71	71	..	81	95	55	..	79	26	45	31	..	35	35
	Forward, C. C.	26	1	32	5	23	..	3	2	2	..	45	24	2	..	38	16	2	8	..	8	8
	Graham, C. W.	122	3	39	56	*	..	97	109	109	..	81	69	*	..	38	80	46	46	..	30	30
	Peterson, C. A.	128	5	58	62	Ex	..	Ex	67	67	..	117	99	104	..	68	111	*	10	..	*	*
	Pettingill, R. E.	130	6	39	40	112	..	..	113	113	..	108	109	116	..	79	41	50	*	..	25	25
Architecture.	Creighton, A. G.	94	26	..	..	3	4	108	79	94	104	108	81	99	60	103	124	..	*	4	..	..
	Daniels, W. N.	38	113	..	..	6	2	105	106	111	*	63	119	125	*	124	106	..	49	2	2	..
	Downey, F. C.	2	83	..	..	8	1	93	107	81	106	55	122	99	*	*	34	..	51	1	1	..
	McConnell, A. W.	83	20	..	..	53	3	89	91	46	94	108	115	99	97	123	56	..	50	3	..	..

	Drawing.	Construction Notes.	Thesis.	Field Notes.	Practical Mineralogy.	Practical Lithology.	Practical Chemistry.	Prac. Chem. (Quant.)	Experimental Physics.	Calculus.	Astronomy.	Spherical Trigonometry.	Descriptive Geometry.	Surveying.	Strength of Materials.	Dynamics.	Optics.	Hydrostatics.	Applied Chemistry.	Mineralogy.	Geology.	Lithology.	Metallurgy.		
Civil Engineering.	Alport, F.	44	42	22	8	25	61	..	56	56	26	53	58	16	54	53	34	*	43	13	25	..	54	H	
	Barber, W.	2	1	2	1	3	7	..	5	1	1	2	4	1	3	10	72	2	10	43	8	5	..	44	H
	Boeckh, J. C.	44	4	16	9	31	61	..	Ex	11	25	23	33	27	44	38	39	69	*	38	28	..	*		
	Chase, A. V.	37	42	19	18	28	26	..	46	13	5	7	27	15	36	35	19	39	43	22	30	..	34		
	Crosby, N. L.	1	4	2	2	13	2	..	19	4	2	7	1	3	7	10	3	8	17	5	4	..	10	H	
	Ferguson, G. H.	48	22	12	13	27	45	..	41	67	23	*	69	*	71	67	51	39	38	13	20	..	34	H	
	Henry, E. A.	64	42	17	21	20	67	..	59	48	27	38	55	30	54	48	48	39	39	30	*	..	66		
	Henry, M. C.	14	29	6	5	*	10	..	19	41	15	12	38	*	61	26	27	48	55	22	32	..	17		
	Jones, G. S.	20	42	15	14	10	61	..	47	59	18	9	55	5	21	20	25	34	12	32	32	..	34	H	
	Jupp, A. E.	27	42	13	29	17	56	..	41	13	12	19	9	5	21	20	25	34	12	32	32	..	60	H	
	Latonnell, A.	54	25	7	17	15	26	..	51	24	24	46	60	32	61	57	51	66	38	20	11	..	65	H	
	Loudon, T. R.	4	12	1	18	4	12	..	41	3	12	23	10	3	10	7	10	12	19	9	1	..	47	H	
	McGregor, W. W.	38	28	17	22	7	17	..	15	37	7	33	33	18	14	35	13	6	30	12	13	..	28	H	
	Moore, W. J.	38	65	5	2	4	33	..	24	13	21	55	33	8	32	13	15	5	5	11	5	5	..	14	H
	O'Brien, E. D.	59	35	*	23	26	33	..	38	24	20	23	64	18	36	34	65	39	55	34	39	..	60		
	Phillips, E. P. A.	38	35	21	16	4	33	..	51	5	10	3	4	13	47	18	34	44	61	13	26	..	54		
	Rayner, G. W.	33	*	*	18	32	..	70	..	49	21	17	10	38	31	48	60	34	58	61	18	23	..	47	
	Smith, F. R. S.	44	*	4	30	*	54	..	67	45	8	33	29	25	18	54	63	51	66	43	37	*	..	20	
	Southworth, H. S.	70	42	22	25	33	49	..	71	*	28	33	60	18	54	63	69	67	53	*	19	13	..	58	
	Stewart, L. D. N.	52	25	24	6	29	23	..	28	37	14	29	69	*	71	69	67	53	35	19	13	..	67		
Stewart, M. A.	20	22	10	12	8	51	..	28	29	8	27	41	8	36	48	23	38	38	35	9	10	..	63		
Sturdy, N. H.	2	14	26	4	14	7	..	32	56	15	46	14	22	22	58	*	34	20	19	28	32	..	18		

II. Year.—Continued.

	Drawing.	Construction Notes.	Thesis.	Field Notes.	Practical Mineralogy.	Practical Lithology.	Practical Chemistry.	Prac. Chem. (Quant.)	Experimental Physics.	Calculus.	Astronomy.	Spherical Trigonometry.	Descriptive Geometry.	Surveying.	Strength of Materials.	Dynamics.	Optics.	Hydrostatics.	Applied Chemistry.	Mineralogy.	Geology.	Lithology.	Metallurgy.
Swan, W. G.	48	38	13	14	12	..	17	..	59	11	19	12	14	7	13	29	62	45	24	3	*	..	23
Sykes, F. H.	64	42	19	27	26	..	59	..	32	7	5	31	32	12	23	24	60	38	49	25	4	..	28
Trall, J. J.	31	42	8	9	9	..	26	..	41	33	4	46	18	5	28	39	10	15	30	4	16	..	46
Treadgold, W. M. ...	35	Ex	Ex	7	17	..	Ex	..	Ex	Ex	Ex	Ex	20	2	1	1	Ex	Ex	3	9	3	..	16
Wagner, H. L.	54	42	25	31	16	..	26	..	51	50	11	19	22	14	70	63	27	22	42	29	23	..	62
Wallace, W. W.	59	19	8	32	17	..	6	..	51	64	22	15	48	27	44	55	40	51	55	20	19	..	23
Webster, W. G.	62	42	10	33	23	..	61	..	71	52	3	15	12	11	36	29	22	54	61	*	28	..	*
Mining Engineering.																							
Begg, W. A.	10	15	1	9	1	1	2	1	38	52	..	6	30	23	54	35	27	11	55	2	8	1	28
Campbell, W. C.	48	Ex	Ex	33	30	..	73	6	70	9	..	19	49	23	30	46	69	39	43	27	*	8	52
Hertzberg, C. S. L. ...	57	10	3	36	22	..	51	8	51	44	..	55	*	*	50	60	62	54	49	34	34	7	34
McKenzie, D. W.	72	*	6	25	20	..	69	2	69	24	..	55	45	*	50	50	23	16	61	24	18	5	28
McLean, W. N.	69	25	5	36	10	..	37	3	48	*	..	15	45	29	50	53	51	25	25	7	12	6	11
Pullen, E. F.	71	*	7	23	*	..	49	4	61	21	..	65	64	18	66	13	50	62	25	26	9	2	20
Ramsey, G. L.	61	35	4	33	23	..	42	5	67	45	..	41	62	25	23	18	31	62	52	13	15	3	15
Scott, G. S.	30	42	2	27	2	3	59	7	57	19	..	19	8	10	5	13	14	31	9	1	2	4	5

II. Year.—Continued.

	<i>Drawing.</i>		<i>Construction Notes.</i>		<i>Thesis.</i>	<i>Practical Chemistry.</i>		<i>Practical Electricity.</i>		<i>Experimental Physics.</i>		<i>Calculus.</i>	<i>Spherical Trigonometry.</i>		<i>Descriptive Geometry.</i>		<i>Strength of Materials.</i>		<i>Dynamics.</i>	<i>Optics.</i>	<i>Hydrostatics.</i>		<i>Applied Chemistry.</i>		<i>Metallurgy.</i>		<i>Theory of Mechanism.</i>		<i>Electricity.</i>		
Mech. and Elec. Engineering.																															
Armour, R. H.	26	8	13	12	17	32	33	60	50	23	22	33	49	30	22	23	8														
Arens, H. W.	29	42	6	26	24	17	33	51	25	32	29	34	25	41	63	29	31														
Aylsworth, C. B. ...	24	29	1	2	7	30	10	3	16	10	3	18	13	1	4	5	2														H
Baldwin, F. W.	64	42	*	51	37	61	62	62	50	32	48	18	51	66	52	22	17														
Bell, G. G.	20	34	32	37	14	1	5	23	7	4	4	2	3	4	2	3	5														H
Bristol, W. M.	38	42	32	17	23	8	16	10	33	36	10	51	9	55	49	23	12														
Carson, W. R.	6	4	15	20	8	1	29	29	10	50	24	8	27	43	3	9	23														
Charlebois, J. P. ...	5	42	15	33	33	32	*	67	64	64	*	56	31	61	69	33	33														
Chantrell, E.	54	15	25	61	28	6	33	42	50	48	39	45	34	*	57	26	*														
Clement, S. R. A. ...	52	*	*	72	35	61	20	55	33	32	59	15	45	33	49	13	20														
Corrigan, T. E.	42	12	4	37	14	19	42	15	40	17	29	21	37	25	7	17	10														
Dowling, F. F.	73	42	30	37	38	65	*	33	72	73	55	44	66	51	*	31	34														
Fierheller, H. S. ...	9	*	7	1	21	19	8	53	22	36	39	10	13	19	40	5	20														
Harrison, F. W.	18	15	17	20	5	1	24	7	20	17	17	14	23	34	7	15	22														H
Hewson, W. G.	17	20	30	12	2	19	18	27	45	6	26	45	16	38	59	21	6														
Kribs, G.	14	11	32	42	17	56	51	42	2	8	16	7	21	5	34	7	4														H
Leighton, J. W.	25	*	11	56	21	4	58	46	24	17	53	25	58	*	34	29	31														
McGorman, S. E. ...	12	42	23	71	8	30	29	38	64	14	8	40	6	13	12	16	12														
McLean, C. A.	13	42	25	20	5	12	†	†	†	6	†	†	†	†	†	†	7														
Mace, T. H.	14	41	7	16	28	6	55	46	69	43	46	40	27	53	41	32	*														
Moffatt, R. W.	57	42	20	23	32	38	17	64	41	14	44	56	54	55	43	20	25														
Mordon, L. W.	42	38	20	47	3	8	61	66	45	58	63	72	45	*	*	35	28														
Munro, G. R.	8	1	1	45	28	10	28	55	50	66	39	59	*	19	7	18	12														
Nicklin, W. G.	20	29	20	26	12	10	29	42	19	9	45	27	23	17	23	9	12														
Paterson, G. W. ...	74	33	*	7	11	12	43	38	57	17	52	40	18	25	28	13	11														
Richardson, W. L. ...	10	42	28	10	8	17	*	*	50	62	69	56	10	35	54	26	24														
Serson, H. V.	31	24	13	23	14	12	52	60	25	28	26	45	49	35	23	18	30														
Shirriff, C. H.	68	42	25	26	26	37	65	62	64	44	29	70	69	*	68	35	*														
Sisson, C. E.	6	7	7	5	1	24	1	1	6	2	2	4	1	2	1	1															
Stubbs, W. F.	18	9	10	12	4	24	49	31	16	21	5	19	31	25	44	7	19														
Thomson, L. R.	62	15	11	68	19	32	62	*	41	36	39	31	18	51	27	12	8														
Tillson, E. D.	35	1	1	54	12	24	39	33	13	23	60	4	29	8	12	4	17														
Turner, W. E.	48	20	17	37	19	41	39	3	3	30	22	15	4	7	5	11	3														
Uren, A. E.	67	40	24	42	36	61	47	42	58	68	*	72	54	*	49	26	28														
Vaughan, J. M.	44	42	19	61	34	15	60	51	60	23	51	65	23	16	28	23	26														
Wilkie, J. H. N. ...	27	66	4	47	24	49	66	68	62	64	67	62	65	23	61	33	35														
Yeates, P. M.	33	29	28	56	26	58	21	14	27	68	63	60	*	*	61	2	12														

II. Year.—Continued.

	<i>Thesis.</i>	<i>German.</i>	<i>Practical Chemistry.</i>	<i>Practical Electricity.</i>	<i>Experimental Physics.</i>	<i>Practical Mineralogy.</i>	<i>Physical Chemistry.</i>	<i>Geology.</i>	<i>Optics.</i>	<i>Hydrostatics.</i>	<i>Applied Chemistry.</i>	<i>Metallurgy.</i>	<i>Mineralogy.</i>	<i>Electricity.</i>	<i>Organic Chemistry.</i>
Applied Chemistry.															
Rothwell, T. E.	1	1	2	28	41	1	*	16	48	58	19	18	30	27	1
Wickett, W. E.	2	1	1	39	24	2	*	26	71	62	65	41	39	*	2

III. Year.

	<i>Drawing.</i>		<i>Construction Notes.</i>		<i>Thesis.</i>		<i>Field Notes.</i>		<i>Experimental Physics.</i>		<i>Thermodynamics.</i>		<i>Hydraulics.</i>		<i>Descriptive Geometry.</i>		<i>Surveying & Levelling.</i>		<i>Least Squares.</i>		<i>Astronomy & Geodesy.</i>		<i>Applied Chemistry.</i>		<i>Geology.</i>		<i>Theory of Construction.</i>		<i>Theory of Comp'd Stress.</i>		<i>Electricity.</i>		
Civil Engineering.																																	
Beatty, H. E.	59	33	26	29	30	77	57	61	36	47	22	19	29	25	52	*																	
Campbell, A. J.	59	78	15	19	1	4	5	28	3	10	19	20	10	6	12	3																	
Cameron, N. C.	25	5	6	29	3	46	47	19	14	64	18	11	15	13	43	16																	
Christie, U. W.	67	45	18	19	15	32	39	31	8	14	8	7	23	16	44	30																	
Code, T. F.	4	26	7	4	24	7	20	16	11	34	3	4	40	11	17	18																	
Code, S. B.	33	29	9	8	69	51	74	37	47	14	41	5	57	*																			
Cowan, W. A.	2	3	3	19	3	17	8	9	10	8	10	11	23	10	10	25																	
Crerar, S. R.	44	44	21	35	17	21	18	11	4	17	2	33	19	4	29	11																	
Ford, A. L.	18	11	19	13	1	18	3	22	5	23	4	21	35	1	5	4																	
Goodall, J. N.	52	65	19	35	11	*	62	43	37	29	22	72	*	21	49	37																	
Gordon, J. P.	44	17	10	26	9	49	20	74	29	42	9	11	33	20	35	14																	
Hara, L. D.	37	51	26	13	18	11	16	22	19	29	11	11	27	5	21	8																	
Heron, J. B.	27	55	26	13	26	25	28	49	28	27	22	57	36	23	14	24																	
Hill, E. M. M.	38	53	11	13	19	61	67	65	30	57	22	73	38	24	39	23																	
James, E. A.	65	55	15	19	22	58	40	33	18	38	22	74	29	19	45	30																	
Jermyn, P. V.	20	6	26	4	31	†	†	43	32	38	30	75	41	14	21	37																	
McEwen, G. G.	51	65	26	4	6	29	47	10	12	13	22	41	29	18	26	34																	
McFarlane, W. G.	41	33	21	19	14	18	25	14	7	5	6	33	8	12	18	1																	
McMillan, D.	59	65	26	29	27	77	62	35	32	71	20	41	21	27	64	28																	
Morley, R. W.	79	25	21	40	32	61	73	74	41	31	22	57	38	*	*	37																	
Moorhouse, W. N.	20	1	4	11	6	30	14	2	1	2	1	1	2	7	7	2																	
Raymond, D. L. C.	36	59	12	4	20	76	43	30	15	15	13	22	10	28	56	32																	
Reid, F. B.	54	17	15	34	20	68	75	59	39	59	22	33	20	29	*	16																	
Robinson, L.	34	60	21	2	27	18	47	46	32	64	17	41	7	*	52	35																	
Sheply, J. D.	44	65	7	19	3	4	10	20	12	12	15	23	13	8	33	9																	
Smith, D. A.	27	46	21	1	11	40	57	61	24	38	*	57	10	16	25	10																	
Townsend, D. T.	73	46	12	35	28	7	6	53	9	7	7	33	28	8	30	26																	
Trimble, A. V.	70	41	21	35	25	58	20	46	27	56	16	57	13	22	55	28																	
Walker, E. W.	2	33	1	8	11	15	20	5	15	23	5	7	4	3	13	6																	
Weir, J. M.	7	6	5	11	9	74	47	39	24	64	31	†	25	25	64	11																	
Wells, A. F.	22	53	2	26	15	7	4	16	5	4	12	4	3	2	7																		
Worthington, W. R.	57	65	12	2	22	15	31	22	21	23		21	15	45	32																		

III. Year.—Continued.

	<i>Drawing.</i>		<i>Construction Notes.</i>		<i>Thesis.</i>		<i>Field Notes.</i>		<i>Practical Chemistry.</i>		<i>Practical Mineralogy.</i>		<i>Practical Assaying.</i>		<i>Thermodynamics.</i>		<i>Hydraulics.</i>		<i>Descriptive Geometry.</i>		<i>Surveying & Levelling.</i>		<i>Least Squares.</i>		<i>Applied Chemistry.</i>		<i>Metallurgy.</i>		<i>Geology.</i>		<i>Ore Deposits.</i>		<i>Mining & Ore Dressing.</i>		<i>Theory of Construction.</i>		<i>Electricity.</i>		
Mining Engineering.																																							
Chilver, H. L. . . .	78	41	2	39	6	7	3	61	73	21	22	44	24	*	36	9	8	*	36	21																			
Chilver, C. A. . . .	75	29	3	19	4	2	7	34	54	39	19	71	25	4	17	4	10	34	21																				
Coates, P. C.	80	*	*	41	9	5	8	48	35	69	39	71	57	2	17	2	5	22	20																				
Elder, A. J.	57	65	7	42	5	8	5	58	62	81	41	*	*	7	29	10	3	36	11																				
Hill, S. N.	58	60	8	29	7	3	9	56	57	59	31	19	26	*	16	7	9	38	27																				
Ingles, C. J.	64	14	1	18	3	6	4	73	67	22	15	61	76	7	9	5	3	33	21																				
Parke, J.	10	27	6	29	8	8	6	38	43	74	24	34	41	2	34	8	6	34	14																				
Rutherford, F. N.	9	65	4	8	2	4	2	49	62	31	23	71	41	5	25	6	2	28	18																				
Wade, E.	16	65	5	13	1	1	1	7	1	4	2	3	1	1	1	1	1	4	H																				

As J. G. Fleck has not fulfilled the condition respecting practical work his standing is not given.

III. Year.—Continued.

	<i>Drawing.</i>	<i>Construction Notes.</i>	<i>Thesis.</i>	<i>Practical Electricity.</i>	<i>Experimental Physics.</i>	<i>Thermodynamics.</i>	<i>Hydraulics.</i>	<i>Descriptive Geometry.</i>	<i>Least Squares.</i>	<i>Applied Chemistry.</i>	<i>Theory of Construction.</i>	<i>Theory of Comp'd Stress.</i>	<i>Mechan. of Machinery.</i>	<i>Machine Design.</i>	<i>Mag. & Electricity.</i>	
Mech. and Elec. Engineering.																
Alexander, J. H.....	48	65	14	31	7	24	16	8	5	27	3	3	11	3	4	H
Barrett, J. H.....	13	55	17	17	5	25	25	11	22	40	7	21	8	24	7	H
Bonnell, M. B.....	59	60	14	32	10	61	70	56	45	41	25	60	21	*	*	
Burnham, F. W.....	70	49	27	25	7	61	*	69	80	65	36	57	32	33		
Brown, T. D.....	70	41	30	37	5	36	75	15	53	77	27	31	31	32	32	
Burley, R. J.....	69	*	*	37	2	69	51	39	64	32	46	67	26	24	20	
Calder, J. W.....	35	3	24	29	31	74	54	49	71	66	22	64	32	18	32	
Campbell, A. M.....	67	60	28	34	33	32	12	16	11	7	5	31	3	2	21	H
Craig, S. E.....	25	48	35	24	26	30	31	28	58	66	18	27	5	11	15	
Currie W. M.....	63	33	8	34	22	44	60	26	34	57	11	52	24	15	30	
Depew, H. H.....	74	65	21	32	28	27	78	57	60	78	26	47	*	*	29	
Gibson, W. S.....	76	17	31	23	38	49	11	61	34	57	19	6	5	9	23	
Gray, W. W.....	18	27	35	7	22	21	54	35	63	57	5	9	14	23	6	
Gray, A.....	41	29	7	19	17	69	60	49	33	79	38	61	22	30	*	
Greenwood, W. K.....	8	13	8	9	31	40	28	26	64	28	7	15	26	6	20	
Harris, C. J.....	22	20	19	19	22	34	31	6	38	7	14	10	2	16	8	
Henderson, T. D.....	41	*	37	19	31	49	43	46	18	33	21	39	20	19	18	
Keefe, W. S. H.....	5	49	29	9	20	55	79	53	71	41	48	57	36	31	34	
McCuaig, O. B.....	65	20	11	9	20	21	46	74	23	41	16	49	17	19	9	
McGibbon, C. P.....	10	8	5	13	10	6	6	6	15	17	7	4	7	4	3	H
McKay, C. D.....	27	60	12	14	31	28	35	68	61	41	22	35	16	11	27	
Manson, G. J.....	77	*	*	15	26	14	8	65	27	33	15	20	30	28	2	
Moore, E. E.....	13	33	8	17	22	43	31	74	47	33	42	37	32	33	15	
Munro, W. H.....	16	1	3	1	18	66	70	74	71	29	43	69	35	24	28	
Pace, G.....	52	29	24	29	10	11	20	43	71	11	17	33	11	9	13	
Pardoe, W. S.....	27	55	23	37	39	11	28	3	52	66	13	18	3	7	22	
Paris, J.....	54	65	34	36	15	49	70	35	47	30	41	68	24	19	30	
Peaker, W. J.....	47	33	26	9	10	*	42	69	64	56	44	47	29	28	*	
Pickering, A. E.....	22	14	5	3	10	3	27	13	9	17	12	7	9	14	4	H
Riddell, M. R.....	1	16	4	1	31	2	15	57	31	4	4	21	10	5	12	H
Roxburgh, G. S.....	48	24	14	19	28	40	19	65	53	31	44	39	28	*	24	
Sauder, P. M.....	40	65	*	15	18	66	77	61	55	71	46	63	*	33	*	
Smart, R. S.....	5	9	1	7	2	1	1	1	3	2	1	1	1	1	1	H
Slater, F. W.....	31	23	31	28	7	49	69	49	64	66	29	39	*	*	9	
Smithier, W. J.....	38	10	21	6	37	36	13	69	19	11	40	27	22	24	26	
Thomson, S. E.....	48	65	31	25	1	44	41	42	19	41	10	15	19	19	17	
Tucker, B.....	10	51	19	25	15	56	35	53	45	41	31	38	11	16	18	
Watson, J. P.....	13	11	17	5	4	38	51	69	71	41	19	62	14	11	14	
Wright, W. F.....	31	33	13	4	28	46	35	35	47	66	31	51	17	7	25	

IV. Year.

(Names in Alphabetical Order).

SCHOOL OF PRACTICAL SCIENCE CERTIFICATE.	THESIS.	THERMODYNAMICS AND THEORY OF HEAT ENGINES.
<i>Honours.</i> Angus, H. H. Gaby, F. A. Gibson, N. R. Gillespie, P. McBride, A. H. Smith, H. G. Wilson, N. D. <i>Pass.</i> Coulson, C. L. Edwards, W. M. Fensom, C. J. Gardner, J. C. Hamilton, J. F. McFarlane, J. A. Nevitt, I. H. Oliver, E. W. Pace, J. D. Patten, B. B. Plunkett, T. H. Trees, S. L.	<i>Honours.</i> Angus. Gaby. Gardner. Gibson. Gillespie. McBride. McFarlane. Mackintosh. Plunkett. Smith. Wilson. <i>Pass.</i> Coulson. Edwards. Fensom. Hamilton. Nevitt. Oliver. Pace. Patten. Trees.	<i>Honours.</i> Angus. Gaby. Gibson. <i>Pass.</i> Fensom. McBride. Nevitt. Pace. Patten. Smith. Trees.
ELECTRICITY AND MAGNETISM.	HYDRAULICS.	STRENGTH AND ELAS- TICITY OF MATERIALS.
<i>Pass.</i> Angus. Fensom. Gaby. McBride. Nevitt. Pace. Patten. Smith.	<i>Honours.</i> Gibson. McFarlane. Trees. <i>Pass.</i> Gardner. Gillespie. Oliver. Wilson.	<i>Honours.</i> Gillespie. Wilson. <i>Pass.</i> Gardner. McFarlane. Mackintosh. Oliver.
MINERALOGY AND GEOLOGY.	METALLURGY AND ASSAYING.	ARCHITECTURE.
<i>Pass.</i> Edwards. Plunkett.	<i>Pass.</i> Coulson. Edwards. Plunkett.	<i>Honours.</i> Mackintosh.

Supplemental Examinations Passed.

FIRST YEAR SUBJECTS.

Statics.—G. H. Ferguson, J. M. McGregor, R. C. Ross, J. O. Roddick, R. G. Weddell, J. M. Wilson, F. C. Broadfoot, E. Chantrell, T. E. Corrigan, F. Dowling, W. D. McKenzie, W. L. Richardson, A. E. Uren, J. M. Goodall.

Dynamics.—G. S. Jones, R. N. Merritt, F. F. Montague, H. W. Evans, J. E. Thomson, L. C. McDonald, J. W. Leighton, R. M. Coleman, W. E. Wickett, J. N. Goodall, R. W. Morley, G. Pace.

Descriptive Geometry.—J. O. Roddick, T. R. Blaine, J. M. Gordon, W. L. Richardson, H. V. Serson.

Surveying.—W. A. Begg, H. W. Evans, T. E. Corrigan, C. H. Shirriff, A. E. Uren.

Analytical Geometry.—J. H. Wilkie.

Trigonometry.—J. Vaughan.

Practical Mineralogy.—G. H. Ferguson, S. Hett, A. Latornell, C. S. Hertzberg, T. E. Rothwell.

Heat.—H. M. Fletcher.

Algebra.—H. S. Southworth.

Euclid.—J. A. Howard, L. W. Morden.

Electricity.—C. H. Shirriff, W. E. Wickett, J. C. Boeckh.

Electricity and Magnetism.—J. C. Boeckh.

Elementary Chemistry.—R. N. Merritt, C. S. Hertzberg, F. Dowling.

SECOND YEAR SUBJECTS.

Thesis.—D. McMillan, D. A. Smith, W. S. H. Keefe.

Construction Notes.—D. A. Smith, O. B. McCuaig, J. Paris, P. M. Sauder..

Dynamics.—J. M. Weir, W. H. Young, J. W. Calder, G. S. Roxburgh.

Strength of Materials.—W. J. Larkworthy, F. W. Burnham, R. J. Burley, E. E. Moore, G. Pace, R. W. Morley, A. V. Trimble, S. N. Hill, C. J. Ingles.

Calculus.—J. W. Calder.

Spherical Trigonometry.—F. W. Slater, F. N. Rutherford, A. J. Elder.

Surveying.—A. J. Elder.

Optics.—H. E. Beatty, N. C. Cameron.

Metallurgy.—S. B. Code, E. M. M. Hill, F. B. Reid, M. B. Bonnell, C. D. McKay.

Applied Chemistry.—J. M. Weir, J. G. Fleck, F. W. Burnham, W. S. Pardoe, F. W. Slater.

Mineralogy.—U. W. Christie, H. E. Beatty, W. R. Worthington.

Lithology.—J. G. Fleck, W. H. Young.

Geology.—N. C. Cameron, P. V. Jermyn, D. McMillan, A. V. Trimble.

THIRD YEAR SUBJECTS.

Descriptive Geometry.—J. G. Jackson, J. H. Burd, J. F. Hamilton, N. A. Burwash.

Thermodynamics.—J. H. Burd, C. L. Coulson, J. A. Whelihan, C. J. Fensom, N. A. Burwash.

Hydraulics.—J. A. Whelihan, C. J. Fensom.
Compound Stress.—E. W. Oliver, F. F. Clarke.
Metallurgy.—C. L. Coulson.

Supplemental Examinations to be Taken.

FIRST YEAR SUBJECTS.

Algebra.—G. C. Arnott, I. C. Kee, W. C. Taylor, C. W. Graham.
Trigonometry.—A. W. Campbell, A. M. Carroll, G. S. Grasett.
Euclid.—E. J. Cavell, W. J. Walker, R. E. Pettingill, R. E. Chadwick, G. N. Molesworth, H. M. Fletcher, R. M. Coleman.
Analytical Geometry.—H. P. Keith, W. N. Daniels, H. O. Horwood, A. W. Campbell, H. C. Maguire, W. A. Maxwell, W. C. Campbell.
Descriptive Geometry.—L. R. Miller, H. C. Ritchie, A. Crawford, R. A. Hare, C. W. Graham, O. B. Holmes, L. C. McDonald.
Statics.—A. B. Cook, W. H. Greene, B. F. Mitchell, E. G. Strathy, G. C. Arnott, C. A. Clendening, A. Crawford, C. S. Dundass, J. C. Hartney, N. R. Robertson, H. O. Horwood.
Dynamics.—M. H. Baker, J. MacInnes, G. W. Wright, T. R. Blaine, J. A. Howard, J. P. Gordon.
Surveying.—D. G. Park, A. B. Silcox, W. S. Brady, S. L. Fear, A. B. Cook, O. B. Holmes, J. MacInnes, G. W. Wright, H. P. Thompson, W. D. Mackenzie, G. B. Reynolds, W. N. Daniels, W. J. Walker, H. B. Housser, F. C. Downey.
Chemistry.—M. H. Baker, E. Harrison, R. S. Houston, C. W. Power, F. C. Downey, J. M. Gordon, J. H. Wilkie, S. Hett, J. M. Wilson.
Mineralogy.—E. J. Cavell, W. H. Greene, L. E. H. Grant, G. R. Jones, H. P. Keith, B. F. Mitchell, C. W. Power, C. H. Rogers, F. V. Siebert, E. S. Strathy, W. C. Taylor, G. W. Bissett, J. H. Ryckman, A. G. Creighton, R. E. Pettingill.
Electricity.—A. M. Carroll, S. L. Fear, I. C. Kee, F. R. Macdonald, H. C. Maguire, G. N. Molesworth, H. C. Ritchie, G. B. Reynolds, C. A. Peterson.
Electricity and Magnetism.—C. A. Peterson, W. F. Beck, C. A. Clendening, F. R. Macdonald.
Practical Electricity.—H. H. Betts, H. B. Housser, L. R. Miller, F. W. Baldwin.
Practical Chemistry.—G. R. Jones.
Experimental Physics.—F. W. Baldwin.

SECOND YEAR SUBJECTS.

Thesis.—E. D. O'Brien, G. W. Rayner, F. W. Baldwin, S. R. Clement, G. W. Paterson, P. M. Sauder.
Construction Notes.—S. R. Clement, H. S. Fierheller, J. W. Leighton, G. W. Rayner, F. R. Smith, D. W. McKenzie, E. F. Pullen, D. McMillan.
Practical Mineralogy.—M. C. Hendry, F. R. Smith, E. F. Pullen.
Calculus.—J. P. Charlebois, W. L. Richardson, H. S. Southworth, W. N. McLean, C. J. Townsend, F. Dowling.
Hydrostatics.—G. R. Munro, P. M. Yeates, F. Alport, E. A. Henry.
Descriptive Geometry.—C. S. Hertzberg, P. A. Laing.

Spherical Trigonometry.—W. L. Richardson, L. R. Thomson, G. S. Jones, G. H. Ferguson.

Surveying.—G. H. Ferguson, G. S. Jones, L. D. Stewart, C. S. Hertzberg, D. W. McKenzie, P. A. Laing.

Strength of Materials.—C. J. Townsend.

Dynamics.—J. P. Charlebois, A. E. Uren, N. H. Sturdy, D. McMillan.

Electricity.—E. Chantrell, T. H. Mace, C. H. Shirriff, W. E. Wickett.

Applied Chemistry.—E. Chantrell, J. W. Leighton, L. W. Morden, C. H. Shirriff, A. E. Uren, J. H. Wilkie, P. M. Yeates, J. C. Boeckh, L. D. Stewart, F. B. Reid.

Metallurgy.—L. W. Morden, F. Dowling, J. C. Boeckh, W. G. Webster, A. Gray, S. E. Thomson.

Mineralogy.—M. C. Hendry, W. G. Webster.

Geology.—E. A. Henry, A. E. Jupp, H. S. Southworth, W. G. Swan, W. C. Campbell.

Physical Chemistry.—T. E. Rothwell, W. E. Wickett.

THIRD YEAR SUBJECTS.

Construction Notes.—R. J. Burley, T. D. Henderson, G. J. Manson, P. C. Coates.

Thesis.—R. J. Burley, J. G. Manson, P. M. Sauder, P. C. Coates.

Thermodynamics.—W. J. Peaker, J. M. Goodall.

Hydraulics.—F. W. Burnham.

Theory of Construction.—S. B. Code, R. W. Morley, L. Robinson, H. L. Chilver.

Compound Stress.—R. W. Morley, F. B. Reid, W. J. Larkworthy, P. H. Mitchell.

Mechanics of Machinery.—H. H. Depew, P. M. Sauder, F. W. Slater.

Machine Design.—M. B. Bonnell, H. H. Depew, G. S. Roxburgh, F. W. Slater, H. S. Small.

Magnetism and Electricity.—M. B. Bonnell, F. W. Burnham, A. Gray, W. J. Peaker, P. M. Sauder.

Least Squares.—A. J. Elder.

Astronomy and Geodesy.—D. A. Smith.

Applied Chemistry.—A. J. Elder.

Metallurgy.—H. L. Chilver, S. N. Hill.

Geology.—J. N. Goodall.

Electricity.—H. E. Beatty, S. B. Code, J. G. Fleck.

Practical Mineralogy.—J. G. Fleck.

FOURTH YEAR SUBJECTS.

Mineralogy and Geology.—C. L. Coulson.



Ontario School of Practical Science
TORONTO

FACULTY OF
APPLIED SCIENCE AND ENGINEERING
OF
THE UNIVERSITY OF TORONTO

Class List, 1905

FACULTY OF THE SCHOOL.

Principal J. GALBRAITH, M.A., LL.D.
 Registrar A. T. LAING, B.A.Sc.

MEMBERS OF THE STAFF :

J. GALBRAITH, M.A., LL.D *Professor of Engineering (Chairman).*
 W. HODGSON ELLIS, M.A., M.B *Professor of Applied Chemistry.*
 A. P. COLEMAN, M.A., Ph.D *Professor of Geology.*
 L. B. STEWART, O.L.S., D.T.S *Professor of Surveying and Geodesy.*
 C. H. C. WRIGHT, B.A.Sc., Mem.O.A.A. *Professor of Architecture.*
 T. R. ROSEBRUGH, M.A. *Professor of Electrical Engineering.*
 G. R. MICKLE, B.A. *Lecturer in Mining.*
 R. W. ANGUS, B.A.Sc *Lecturer in Mechanical Engineering.*
 J. MCGOWAN, B.A., B.A.Sc *Lecturer in Applied Mechanics.*
 J. W. BAIN, B.A.Sc *Lecturer in Applied Chemistry.*
 G. R. ANDERSON, M.A *Lecturer in Physics.*
 H. G. McVEAN, B.A.Sc *Demonstrator in Mechanical Engineering.*
 H. W. PRICE, B.A.Sc *Demonstrator in Electrical Engineering.*
 E. G. R. ARDAGH, B.A.Sc *Demonstrator in Chemistry.*
 P. GILLESPIE, B.A.Sc *Demonstrator in Applied Mechanics.*
 J. R. COCKBURN, B.A.Sc *Demonstrator in Drawing.*
 A. E. GIBSON, B.A.Sc *Fellow in Civil Engineering.*
 J. G. McMILLAN, B.A.Sc *Fellow in Mining Engineering.*
 J. A. MCFARLANE, B.A.Sc *Fellow in Mechanical Engineering.*
 H. G. SMITH, B.A.Sc *Fellow in Electrical Engineering.*
 G. J. MANSON, Grad. S.P.S *Fellow in Electrical Engineering.*
 E. WADE, Grad. S.P.S *Fellow in Chemistry.*
 S. DUSHMAN, B.A *Fellow in Chemistry.*
 M. R. RIDDELL, Grad. S.P.S *Fellow in Drawing.*
 J. L. R. PARSONS, B.A., D.L.S *Fellow in Surveying.*
 N. D. WILSON, B.A.Sc *Fellow in Surveying.*
 J. A. HORTON, Grad. S.P.S *Lecture Assistant in Chemistry.*

MEMBERS OF THE FACULTY OF ARTS

Whose Classes are attended by the Regular Students of the School.

R. RAMSAY WRIGHT, M.A., LL.D *Professor of Biology.*
 ALFRED BAKER, M.A *Professor of Mathematics.*
 W. R. LANG, D.Sc *Professor of Chemistry.*
 T. L. WALKER, M.A., Ph.D *Professor of Mineralogy and Petrography.*
 W. L. MILLER, B.A., Ph.D *Associate Professor of Physical Chemistry.*
 ALFRED T. DELURY, B.A *Associate Professor of Mathematics.*
 J. C. FIELDS, B.A., Ph.D *Associate Professor of Mathematics.*
 M. A. MCKENZIE, M.A *Associate Professor of Mathematics.*
 W. A. PARKS, B.A., Ph.D *Lecturer in Mineralogy.*
 F. B. KENRICK, M.A., Ph.D *Lecturer in Chemistry.*
 F. B. ALLAN, M.A., Ph.D *Lecturer in Chemistry.*
 J. G. PARKER, B.A *Fellow in Mathematics.*
 H. L. KERR, B.A *Class Assistant in Mineralogy.*
 W. H. COLLINS, B.A *Class Assistant in Mineralogy.*

RESULTS
—OF—
ANNUAL EXAMINATIONS
Session 1904-1905.

DEPARTMENTS:

CIVIL ENGINEERING.
MINING ENGINEERING.
MECHANICAL AND ELECTRICAL ENGINEERING.
ARCHITECTURE.
ANALYTICAL AND APPLIED CHEMISTRY.
CHEMICAL ENGINEERING.

DEGREES:

BACHELOR OF APPLIED SCIENCE (B.A.Sc.)
CIVIL ENGINEER (C.E.)
MINING ENGINEER (M.E.)
MECHANICAL ENGINEER (M.E.)
ELECTRICAL ENGINEER (E.E.)

Candidates are arranged alphabetically in the Departments and in the Fourth or Post-Graduate Year, in two classes, Honours and Pass.

University of Toronto.

FACULTY OF APPLIED SCIENCE AND ENGINEERING

DEGREE OF M.E. (Mechanical Engineer).

E. J. Laschinger.

DEGREE OF E.E. (Electrical Engineer).

W. Hemphill.

DEGREE OF B.A.Sc. (Bachelor of Applied Science).

Burwash, N. A.	James, E. A.	Roxburgh, G. S.
Campbell, A. J.	Jermyn, P. V.	Rutherford, F. N.
Campbell, A. M.	McAuslan, H. J.	Shepley, J. D.
Christie, U. W.	McCuaig, O. B.	Smither, W. J.
Crerar, S. R.	McEwen, G. G.	Thomson, S. E.
Davison, A. E.	McKay, C. D.	Townsend, C. J.
Gibson, W. S.	Marriott, F. G.	Trimble, A. V.
Gray, W. W.	Pace, G.	Tucker, B. B.
Greenwood, W. K.	Parke, J.	Worthington, W. R.
Hanes, G. S.	Raymond, D. C.	Wright, W. F.

DEGREE OF B.A.Sc. (with Honours).

Code, T. F.	Montgomery, R. H.	Walker, E. W.
Ford, A. L.	Shipe, H. M.	Williams, C. G.
McGibbon, C. P.	Townsend, D. T.	Young, C. R.

H. H. Depew, W. J. Peaker, M. B. Bonnell, J. W. Calder, W. J. Larkworthy, and H. F. White must pass supplemental examinations before they are eligible for the degree.

School of Practical Science.

DEPARTMENT OF CIVIL ENGINEERING.

HONOURS.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Graham, G. W. Hogg, T. H. MacLeod, G. W. McLean, A. L. Oxley, J. M. Paulin, F. W. Rannie, J. L. Snaith, W. Summers, G. F.	Bunnell, A. E. K. Clark, G. T. Cook, W. A. M. Harkness, A. L. Houston, R. S. Johnston, C. Lang, J. L. Mackinnon, W. McFarlane, J. B. McNab, J. V. McQuarrie, M. K. Menzies, J. M. Mitchell, B. F. Near, W. P. Scott, W. A. Stewart, W. M.	Barber, W. Crosby, N. L. Loudon, T. R. McGregor, W. W. Patten, B. B. Sykes, F. H. Traill, J. J. Treadgold, W. M.

PASS.

FIRST YEAR.		
Anderson, F. J. Augustine, A. P. Bishop, W. J. Broughton, G. Brown, J. A. Bruce, W. J. Bush, C. E. Carscallen, H. R. Chesnut, F. H. Copeland, M. Cory, R. Y. Cowper, G. C. Fleming, G. R. S. Flint, C. Galletly, J. S. Garrow, A. B. Gerard, A.	Gillies, A. Hagarty, R. E. W. Hall, J. H. Hamilton, C. T. Hara, F. J. Hertzburg, H. F. H. Hewson, E. G. Hyland, H. M. Jackson, W. Kinghorn, A. A. Klingner, L. W. Lamb, F. C. Lindsey, J. H. McKechnie, F. H. Maher, W. R. Malcolmson, W. S. Mills, G. G.	Moore, J. M. Murray, E. W. Neelands, R. E. K. Neelands, E. W. Nourse, A. E. Pearson, A. W. Phillips, H. G. Potter, R. B. Ridler, A. A. Scott, C. A. Sheppard, A. C. T. Siegner, W. A. Stiles, J. A. Stuart, J. L. G. Sutcliffe, H. W. Tye, H. W. White, W. R. Wilkes, E. D.

PASS.—Continued.

SECOND YEAR.	SECOND YEAR.	THIRD YEAR.
Arens, A. H. Baker, M. H. Bourne, O. B. Brian, M. E. Carroll, M. J. Christie, F. Cousins, E. L. Glendinning, G. Greene, P. W. Harris, R. C. Harrison, E. Harrison, R. L. Hett, S.	Jones, G. R. Keith, H. P. MacInnes, J. M. Mackay, A. G. McGregor, J. M. Montague, F. F. Murdock, C. R. Roddick, J. O. Rogers, C. H. Ross, K. G. Ross, R. C. Routly, H. T. Thomson, A.	Ferguson, G. H. Hendry, M. C. Jones, G. S. Latornell, A. Phillips, E. P. A. Stewart, D. L. N. Sturdy, N. H. Wagner, H. L.

J. C. Boeckh, A. V. Chase, E. D. O'Brien, W. B. Porte, G. W. Rayner, M. A. Stewart, W. G. Swan, of the third year, must pass supplemental examinations before they are eligible for the diploma.

Prizes for General Proficiency in the Third Year.

CIVIL ENGINEERING :

1ST PRIZE—W. Barber. Donor, T. Kennard Thomson, C.E.

2ND PRIZE—N. L. Crosby. Donor, Noel Marshall, Esq.

DEPARTMENT OF MINING ENGINEERING.

HONOURS.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Dyer, F. C. Galt, G. Paton, T. K. Ronald, C. S.	Huber, W. McKenzie, J. A. Purser, R. C. Rolfson, O.	Begg, W. A. Scott, G. S.

PASS.

FIRST YEAR.	SECOND YEAR.	SECOND YEAR.
Culbert, V. Gibson, R. J. Johnson, H. A. Kennedy, M. D. McGiverin, F. A. Neilly, B.	Banting, E. W. Dates, M. Bellisle, J. P. Bissett, G. W. Broadfoot, F. C. Brown, T. W. Evans, H. W. Lamb, G. J. Mackenzie, K. A. Murphy, C. J.	Neelands, R. Ryckman, J. H. Stirrett, G. P. Thomson, J. E.
		THIRD YEAR.
		McKenzie, D. W. Pullen, E. F.

W. C. Campbell, C. S. L. Hertsberg, P. A. Laing, W. N. McLean, G. L. Ramsey, W. H. Young, of the third year, must pass supplemental examinations before they are eligible for the diploma.

Prizes for General Proficiency in the Third Year.

MINING ENGINEERING :

1ST PRIZE—G. S. Scott. Donor, Hon. W. H. Montague, M.D.

2ND PRIZE—W. A. Begg. Donor, Hon. W. H. Montague, M.D.

**DEPARTMENT OF MECHANICAL AND ELECTRICAL
ENGINEERING.**

HONOURS.

FIRST YEAR.	SECOND YEAR.	SECOND YEAR.
Allen, F. G. Bowman, H. D. Evans, S. D. Ewart, F. R. Gray, M. H. Kay, E. W. MacLean, B. A. McGugan, D. J. Marshall, S. A. Minns, J. B. Murray, W. P. Percy, H. A. Procurier, J. F. Raine, H. Spencer, A. C. Thomson, O. R.	Amos, W. L. Armer, J. C. Barber, F. Chadwick, R. E. C. Colhoun, G. A. Death, N. P. F. Doidge, E. H. Gray, J. Hamilton, C. B. Hookway, C. W. Hull, A. H. Jepson, W. C. McIlwraith, D. G. Marrrs, D. W. Maxwell, W. A. Sanders, W. K.	Vickery, C. L. Wilson, J. N. Wood, E. M. Zimmer, A. R.
		THIRD YEAR.
		Aylsworth, C. B. Bell, G. G. Kribs, G. McLean, C. A. Nicklin, W. G. Ross, R. B. Sisson, C. E. Stubbs, W. F.

PASS.

FIRST YEAR.		
Akers, H. G. Anderson, J. E. Beckstedt, R. D. S. Bothwell, C. C. Campbell, G. A. Caster, J. H. Clendening, C. S. Connell, C. B. B. Coulter, G. P. Cummer, H. H. Dawson, G. A. Doorly, H. C. File, E. S. Francis, G. C. Fraser, R. D.	Hall, K. Hill, H. O. Hutton, C. H. Hyman, E. W. Ireland, L. G. Keith, D. F. LePan, A. D. McCully, K. C. McCurdy, J. A. D. McIntosh, A. H. McNeill, F. W. Maynard, H. V. Melson, J. W. Murray, J. D.	Nighswander, D. L. Prochnow, F. Qua, A. H. Quance, G. E. Richardson, A. B. Richardson, C. W. B. Shearer, H. F. Smith, N. E. Smithrim, E. R. Stewart, G. S. Stiver, J. L. Toms, C. G. Wilson, A. F. Woods, M. H.

PASS. — Continued.

SECOND YEAR.	SECOND YEAR:	THIRD YEAR.
Arnott, G. C. Betts, H. H. Blackwood, W. C. Brady, W. S. Brandon, H. E. Byam, F. M. Cameron, A. Campbell, A. W. Davis, R. S. Dundass, C. S. Fear, S. L. Hartney, J. C. Hillis, C. R.	Hopkins, R. H. Jones, T. Keppy, J. D. Linton, A. P. Maclachlan, W. McPherson, J. A. Miller, L. R. Park, D. G. Pennington, C. H. L. Robertson, N. R. Sewell, R. L. Silcox, A. B.	Arens, H. W. Armour, R. H. Bristol, W. M. Clement, R. S. A. Corrigan, T. E. Fierheller, H. S. Harrison, F. W. Hewson, W. G. Leighton, J. W. Serson, H. V. Thomson, L. R. Tillson, E. B. Turner, W. E.

W. R. Carson, E. Chantrell, F. Dowling, S. E. McGorman, F. G. Mace, T. H. Mace, R. W. Moffatt, G. R. Munro, W. L. Richardson, C. H. Shirriff, A. E. Uren, J. M. Vaughan, of the third year, must pass supplemental examinations before they are eligible for the diploma.

Prizes for General Proficiency in the Third Year.

MECHANICAL ENGINEERING:

1ST PRIZE—W. G. Nicklin. Donor, Standard Silver Co.

ELECTRICAL ENGINEERING:

1ST PRIZE—C. E. Sisson. Donor, Noel Marshall, Esq.

MECHANICAL AND ELECTRICAL ENGINEERING:

2ND PRIZE—C. B. Aylsworth. Donor, Standard Silver Co.

DEPARTMENT OF ARCHITECTURE.

PASS.

FIRST YEAR.	SECOND YEAR.
Jackson, B. C. Page, F. P. Zinkan, W. E.	Creighton, A. G. Daniels, W. N. McConnell, A. W.

DEPARTMENT OF ANALYTICAL AND APPLIED CHEMISTRY.

HONOURS.

FIRST YEAR—P. F. Morley.

SECOND YEAR—C. C. Forward.

PASS.

FIRST YEAR—R. G. Lewis, G. L. Milligan, F. A. Robertson, H. E. Rothwell, C. A. Scholfield.

SECOND YEAR—J. J. Beeman, D. E. Beynon, C. W. Graham, R. E. Pettingill.

THIRD YEAR —T. E. Rothwell.

DEPARTMENT OF CHEMICAL ENGINEERING.

PASS.

FIRST YEAR—P. C. Fux, D. H. C. Mason.

STANDING IN SUBJECTS.

The numerals indicate rank in the class, H indicates Honours on the total, Ex exemption, * that a supplemental in the subject must be taken, and † that aegrotat standing in the subject has been given. The numbers at the heads of columns indicate the number of candidates in the subject.

I. Year.

	<i>Drawing.</i>	<i>Field Notes.</i>	<i>Practical Mineralogy.</i>	<i>Practical Chemistry.</i>	<i>Algebra.</i>	<i>Euclid.</i>	<i>Trigonometry.</i>	<i>Analytical Geometry.</i>	<i>Statics.</i>	<i>Dynamics.</i>	<i>Descriptive Geometry.</i>	<i>Surveying.</i>	<i>Elementary Chemistry.</i>	<i>Mineralogy.</i>	
Civil Engineering.	141	74	71	141	141	141	141	135	135	135	135	133	141	82	
Anderson, F. J.	139	55	61	120	79	*	55	58	129	121	*	95	32	17	
Augustine, A. P.	102	58	3	103	31	111	88	105	*	106	35	25	90	43	
Bishop, W. J.	138	72	*	128	83	100	107	129	*	48	119	76	77	45	
Broughton, G.	79	67	19	103	63	14	80	21	119	66	35	71	14	40	
Brown, J. A.	84	34	55	127	31	28	98	38	121	98	86	19	69	40	
Bruce, W. J.	126	53	25	122	101	68	124	84	*	72	76	90	71		
Bush, C. E.	66	70	34	113	40	34	10	41	64	55	103	88	77	17	
Carscallan, H. R.	79	50	14	89	Ex	Ex	Ex	5	38	39	24	38	90	59	
Chesnut, F. H.	63	21	*	89	97	71	111	33	58	98	59	19	51	*	
Copeland, M.	26	34	57	89	31	83	65	81	77	96	90	*	128	*	
Cory, R. Y.	133	65	38	130	68	32	65	121	107	*	120	*	115	59	
Cowper, G. C.	127	63	39	51	24	24	12	15	69	65	94	84	57	25	
Fleming, G. R. S.	127	34	19	103	72	68	46	36	91	106	113	71	91	32	
Flint, C.	68	21	31	79	68	55	35	70	81	69	28	42	*	52	
Galletley, J. S.	109	47	42	79	51	29	11	46	55	46	35	12	90	35	
Garrow, A. B.	48	26	48	124	104	73	31	70	69	79	98	84	77	63	
Gerard, A.	109	46	29	103	35	64	26	60	64	90	68	6	69	54	
Gillies, A.	36	29	52	89	35	49	17	60	30	90	111	58	77	45	
Graham, G. W.	38	10	44	22	20	21	35	51	64	55	6	27	57	14	H
Hagarty, R. E. W.	94	31	19	110	19	103	86	46	113	86	75	18	77	12	
Hall, J. H.	135	18	10	51	46	88	65	81	36	110	72	23	33	54	
Hamilton, C. T.	73	68	42	17	72	73	27	113	91	115	*	*	57	40	
Hara, F. J.	20	29	34	11	123	59	122	125	115	112	*	*	91	70	
Hertzberg, H. F. H.	119	61	56	79	104	83	124	109	121	104	113	*	69	43	
Hewson, E. G.	38	26	1	11	60	108	63	113	77	*	72	42	115	50	
Hogg, T. H.	43	3	7	6	4	1	1	5	9	7	21	3	51	9	H
Hyland, H. M.	92	3	14	117	21	17	39	46	63	106	105	*	51	35	
Jackson, W.	12	21	*	11	79	8	55	25	19	28	4	13	51	59	
Kinghorn, A. A.	17	8	6	3	60	97	98	41	30	20	84	53	91	45	
Klingner, L. W.	53	18	31	34	*	73	124	118	115	115	113	*	90	67	
Lamb, F. C.	109	64	34	69	5	29	12	46	7	45	32	71	57	17	
Lindsay, J. H.	73	41	44	64	63	88	94	60	86	86	101	*	110	*	
MacLeod, G. W.	98	55	8	42	Ex	Ex	Ex	5	4	10	8	1	14	27	H
McKechnie, F. H.	96	18	*	22	112	92	72	121	128	73	*	71	91	68	
McLean, A. L.	14	58	19	7	7	11	46	51	46	53	90	38	14	15	H
Maher, W. R.	53	50	19	51	60	64	43	51	42	39	8	63	11	6	

I. Year.—Continued.

	<i>Drawing.</i>	<i>Field Notes.</i>	<i>Practical Mineralogy.</i>	<i>Practical Chemistry.</i>	<i>Algebra.</i>	<i>Euclid.</i>	<i>Trigonometry.</i>	<i>Analytical Geometry.</i>	<i>Statics.</i>	<i>Dynamics.</i>	<i>Descriptive Geometry.</i>	<i>Surveying.</i>	<i>Elementary Chemistry.</i>	<i>Mineralogy.</i>	
Civil Engineering.	141	74	71	141	141	141	141	135	135	135	135	133	141	82	
Malcolmson, W. S.	117	41	*	69	72	73	82	113	86	90	*	76	33	65	
Mills, G. G.	63	49	25	113	53	103	94	98	103	118	*	*	91	59	
Moore, J. M.	108	16	39	42	17	11	3	33	21	83	48	49	33	50	
Murray, E. W.	116	47	*	39	Ex	Ex	Ex	89	58	59	90	*	24	6	
Neelands, R. E. K.	79	71	31	124	68	107	123	125	111	86	101	*	90	37	
Neelands, E. W.	6	41	5	116	120	68	82	102	91	90	46	53	91	9	
Nourse, A. E.	109	34	*	117	*	118	104	132	113	71	113	96	33	48	
Oxley, J. M.	5	1	34	79	40	36	58	92	21	1	15	9	90	32	H
Paulin, F. W.	119	21	17	11	10	15	12	63	83	20	63	11	1	6	H
Pearson, A. W.	60	16	39	7	112	*	129	84	121	115	*	92	110	68	
Phillips, H. G.	68	61	18	124	58	59	107	70	38	47	21	42	33	54	
Potter, R. B.	135	47	29	117	46	*	85	84	64	73	88	84	77	54	
Rannie, J. L.	50	7	14	89	24	6	7	19	6	48	48	10	57	31	H
Ridler, A. A.	89	14	48	120	116	83	60	98	106	*	86	*	33	27	
Scott, C. A.	131	41	*	89	72	88	88	89	83	98	123	*	69	5	
Sheppard, A. C. T.	114	31	58	103	13	11	46	25	38	24	13	27	33	27	
Siegner, W. A.	53	3	58	69	109	83	55	58	91	*	48	76	57	*	
Snaith, W.	34	3	61	3	21	6	17	17	3	35	5	4	33	23	H
Stiles, J. A.	122	21	45	34	87	49	53	22	72	30	12	36	24	*	
Stuart, J. L. G.	68	31	52	89	*	119	121	89	115	*	111	92	33	37	
Summers, G. F.	89	14	45	103	7	5	17	22	21	24	28	25	33	63	H
Sutcliffe, H. W.	46	55	12	113	*	116	63	105	91	*	28	76	69	37	
Tye, H. W.	66	10	10	69	23	62	46	63	28	33	68	13	91	9	
White, W. R.	89	50	48	22	24	81	60	31	64	31	57	13	24	52	
Wilkes, E. D.	38	41	25	103	53	71	94	95	33	63	81	19	24	2	
Mining Engineering.	141	74	71	141	141	141	141	135	135	135	135	133	141	82	
Culbert, V.	73	26	51	2	109	120	124	98	130	*	109	*	77	23	
Dyer, F. C.	29	34	1	4	40	3	17	41	33	24	24	23	1	4	H
Galt, G.	38	65	100	8	101	21	17	10	17	23	39	33	33	3	H
Gibson, R. J.	44	10	51	19	92	*	46	105	107	118	43	38	110	54	
Johnson, H. A.	17	69	110	48	56	81	75	70	50	110	32	76	77	65	
Kennedy, M. D.	122	53	112	52	101	79	94	78	127	*	107	27	90	*	
McGiverin, F. A.	127	72	69	58	120	100	86	125	91	*	56	*	91	20	
Neilly, B.	68	8	79	25	35	24	33	109	33	55	90	13	14	32	
Paton, T. K.	20	34	51	13	14	20	27	17	55	43	68	49	33	13	H
Ronald, C. S.	21	13	11	63	9	49	24	11	12	6	59	36	6	20	H

I. Year.—Continued.

	<i>Drawing.</i>	<i>Practical Chemistry.</i>	<i>Practical Electricity.</i>	<i>Algebra.</i>	<i>Euclid.</i>	<i>Trigonometry.</i>	<i>Analytical Geometry.</i>	<i>Statics.</i>	<i>Dynamics.</i>	<i>Descriptive Geometry.</i>	<i>Surveying.</i>	<i>Elementary Chemistry.</i>	<i>Electric Circuits.</i>	<i>Elec. and Magnetism.</i>	
Mech. and Elec. Engineering.	141	141	67	141	141	141	135	135	135	135	133	141	67	67	
Akers, H. G.	86	46	50	*	121	111	134	115	96	*	84	91	41	53	
Allen, F. G.	50	39	15	17	29	31	8	91	10	59	8	33	13	6	H
Anderson, J. E.	122	17	46	24	43	65	51	46	32	35	71	14	48	33	
Beckstedt, R. D. S.	58	51	30	72	*	75	92	77	106	105	58	33	40	*	
Bothwell, C. C.	102	89	63	58	100	39	78	72	110	96	*	24	26	26	
Bowman, H. D.	19	42	18	Ex	Ex	Ex	22	5	24	1	33	3	10	2	H
Campbell, G. A.	44	46	32	109	92	111	95	119	90	79	*	110	48	44	
Caster, J. H.	34	2	36	46	24	12	46	46	39	94	58	69	33	17	
Clendening, C. S.	140	89	64	53	59	75	113	*	35	103	*	77	46	58	
Connell, C. B. B.	46	123	60	92	55	39	25	55	79	48	91	*	28	49	
Coulter, G. P.	102	51	36	97	116	46	70	91	98	84	63	*	41	55	
Cummer, H. H.	1	89	1	104	*	72	63	42	66	*	6	14	19	16	
Dawson, G. A.	29	69	32	92	111	102	63	*	*	43	13	115	24	49	
Doorly, H. C.	38	79	32	*	43	118	113	107	59	98	63	33	54	24	
Evans, S. D.	24	51	32	Ex	Ex	Ex	4	91	8	11	19	6	9	28	H
Ewart, F. R.	94	22	23	2	5	1	1	2	6	1	57	13	30	30	H
File, E. S.	68	64	46	63	83	88	125	103	73	*	*	77	61	30	
Francis, G. C.	96	46	13	83	92	116	95	121	98	113	*	57	*	47	
Fraser, R. D.	6	64	40	120	*	124	121	86	79	63	*	115	48	49	
Gray, M. H.	73	39	43	12	36	9	10	12	13	15	88	14	8	12	H
Hall, K.	58	22	25	119	43	104	70	50	73	107	*	57	41	54	
Hill, H. O.	28	23	28	51	43	35	84	7	90	67	*	14	51	45	
Hutton, C. H.	53	64	28	14	15	43	25	11	28	39	*	33	33	8	
Hyman, E. W.	32	79	36	46	88	24	105	50	48	15	92	115	28	19	
Ireland, L. G.	16	17	18	112	108	75	129	77	53	98	*	77	19	33	
Kay, E. W.	6	27	14	68	111	65	16	42	59	19	53	6	13	38	H
Keith, D. F.	107	128	66	31	103	65	41	42	13	32	42	69	30	4	
LePan, A. D.	3	27	15	72	40	107	38	91	43	15	63	33	41	28	
Maclean, B. A.	99	22	43	Ex	Ex	Ex	3	46	16	8	42	9	10	15	H
McCully, K. C.	87	51	50	97	79	80	51	121	104	68	*	110	58	33	
McCurdy, J. A. D.	14	100	58	63	36	118	109	72	73	48	38	115	16	49	
McGugan, D. J.	10	27	2	1	9	2	2	3	2	5	4	1	8	8	H
McIntosh, A. H.	60	51	18	3	17	4	51	86	9	62	49	11	59	56	
McNeill, F. W.	92	69	18	83	97	60	112	36	63	96	*	115	22	27	
Marshall, S. A.	32	27	30	35	9	30	11	9	16	63	63	4	6	21	H
Maynard, H. V.	48	64	27	104	55	104	36	107	73	63	*	129	17	*	
Melson, J. W.	84	100	61	87	97	107	124	72	83	75	53	115	54	20	
Minns, J. B.	22	7	11	40	32	8	41	38	18	24	58	57	17	17	H
Murray, J. D.	12	69	8	30	40	27	69	21	79	75	42	115	21	13	
Murray, W. P.	2	27	6	46	40	33	11	12	20	14	49	14	36	14	H
Nighswander, D. L.	27	7	4	79	73	75	78	72	35	21	35	115	10	14	

I. Year.—Continued.

	<i>Drawing.</i>	<i>Practical Chemistry.</i>	<i>Practical Electricity.</i>	<i>Algebra.</i>	<i>Euclid.</i>	<i>Trigonometry.</i>	<i>Analytical Geometry.</i>	<i>Statics.</i>	<i>Dynamics.</i>	<i>Descriptive Geometry.</i>	<i>Surveying.</i>	<i>Elementary Chemistry.</i>	<i>Electric Circuits.</i>	<i>Elec. and Magnetism.</i>	
Mech. and Elec. Engineering.	141	141	67	141	141	141	135	135	135	135	133	141	67	67	
Percy, H. A.	50	22	5	Ex	Ex	Ex	32	28	13	42	63	33	25	33	H
Prochnow, F.	73	51	40	83	92	111	84	58	62	43	*	57	37	38	
Procnier, J. F.	73	27	50	16	21	6	25	30	5	19	27	14	6	7	H
Qua, A. H.	6	34	25	118	111	46	104	86	*	81	98	*	54	38	
Quance, G. E.	109	17	11	24	64	65	35	50	35	28	27	69	30	24	
Raine, H.	26	11	15	5	4	35	9	17	3	24	58	9	4	4	H
Richardson, A. B.	62	46	50	Ex	Ex	Ex	63	19	42	109	*	24	26	38	
Richardson, C. W. B.	10	42	8	104	43	116	51	58	55	79	*	77	54	8	
Shearer, H. F.	114	34	61	72	*	92	102	91	112	122	*	24	51	30	
Smith, N. E.	137	69	46	92	59	43	81	58	66	75	63	51	*	33	
Smithrim, E. R.	122	79	58	24	36	21	118	91	86	*	27	77	*	60	
Spencer, A. C.	36	3	36	35	24	21	19	12	12	3	42	11	3	11	H
Stewart, G. S.	79	127	43	92	49	111	70	16	83	113	76	57	30	38	
Stiver, J. L.	31	69	6	10	34	12	25	50	48	48	63	51	33	22	
Thomson, O. R.	4	34	8	Ex	Ex	Ex	38	69	18	48	53	24	4	3	H
Toms, C. G.	63	64	23	63	64	103	118	121	71	120	*	91	22	58	
Wilson, A. F.	119	79	57	56	17	58	92	21	33	*	*	115	41	46	
Woods, M. H.	87	46	50	89	55	92	69	81	69	81	*	91	46	43	

I. Year.—Continued.

	Drawing.	Practical Chemistry.	Practical Mineralogy.	Practical Electricity.	Field Notes.	Arch. Sketches.	Algebra.	Euclid.	Trigonometry.	Analytical Geometry.	Statics.	Dynamics.	Descriptive Geometry.	Surveying.	Elementary Chemistry.	Electric Circuits.	Mineralogy.	Hist. of Architecture.	Elec. and Magnetism.
Architecture	141	141	6	67	74	3	141	141	141	135	135	135	135	133	141	67	82	3	67
Jackson, B. C.....	102	17	..	..	34	1	40	43	42	98	21	98	39	76	*	..	*	2	..
Page, F. P.....	53	27	..	..	1	2	90	108	100	133	83	*	46	97	115	..	*	1	..
Zinkan, W. E.....	102	89	..	..	58	3	*	92	88	131	111	120	88	88	115	..	*	3	..
Applied Chemistry.																			
Lewis, R. G.....	79	6	2	50	..	..	97	*	72	..	..	..	..	..	6	*	48	..	61
Milligan, G. L.....	141	4	5	56	..	..	112	49	53	..	..	..	..	..	5	37	30	..	47
Morley, P. F.....	99	1	1	3	..	..	Ex	Ex	Ex	..	..	..	..	..	1	2	1	..	1
Robertson, F. A.....	132	3	3	64	..	..	116	115	120	..	..	..	..	..	3	*	*	..	62
Rothwell, H. E.....	117	5	*	46	..	..	90	73	82	..	..	..	..	..	2	51	25	..	*
Scholfeld, C. A.....	99	2	5	40	..	..	40	49	100	..	..	..	..	..	4	37	20	..	56
Chemical Engineering.																			
Fux, P. C.....	134	79	4	18	..	..	79	103	60	70	103	*	48	..	7	60	72	..	*
Mason, D. H. C.....	127	Ex	*	Ex	..	..	Ex	Ex	Ex	Ex	21	48	57	..	Ex	*	16	..	Ex

II. Year.

		<i>Drawing.</i>	<i>Construction Notes.</i>	<i>Thesis.</i>	<i>Field Notes.</i>	<i>Practical Mineralogy.</i>	<i>Practical Chemistry.</i>	<i>Experimental Optics.</i>	<i>Exp. Hydrostatics.</i>	<i>Calculus.</i>	<i>Astronomy.</i>	<i>Spherical Trigonometry.</i>	<i>Descriptive Geometry.</i>	<i>Surveying.</i>	<i>Strength of Materials.</i>	<i>Dynamics.</i>	<i>Optics.</i>	<i>Hydrostatics.</i>	<i>Applied Chemistry.</i>	<i>Geology.</i>	<i>Metallurgy.</i>
Civil Engineering.		108	108	42	63	60	108	113	113	108	42	105	108	63	108	105	113	113	113	68	113
Arens, A. H.	71	81	21	21	48	*	93	90	89	98	21	20	69	52	89	97	71	73	84	*	82
Baker, M. H.	26	76	13	13	16	5	1	90	95	76	12	20	80	49	75	81	48	87	84	21	46
Bourne, O. B.	52	62	21	21	31	54	82	55	39	42	32	55	103	30	71	54	87	20	67	*	46
Brian, M. E.	76	96	23	23	22	47	2	35	48	76	29	60	56	41	39	88	81	87	17	20	75
Bunnell, A. E. K.	74	62	4	4	1	32	54	10	24	38	25	55	35	33	23	23	55	28	17	2	57
Carroll, M. J.	78	38	6	6	29	50	71	100	91	42	28	38	26	30	46	35	27	18	28	26	85
Christie, F.	95	49	6	6	58	37	95	55	47	57	38	30	26	77	77	25	67	53	84	41	85
Clark, G. T.	12	Ex	Ex	Ex	25	9	Ex	Ex	Ex	Ex	29	Ex	5	2	14	25	Ex	28	28	28	51
Cook, W. A. M.	49	4	16	4	6	29	49	90	29	29	18	20	11	13	9	5	10	22	52	1	27
Cousins, E. L.	1	4	1	3	59	*	35	2	1	46	40	70	35	23	68	64	62	67	67	59	95
Glendinning, G.	68	72	32	32	28	46	84	85	77	32	14	*	31	38	73	61	91	93	52	46	109
Greene, P. W.	49	*	28	31	31	17	81	23	29	11	34	86	80	38	93	53	16	81	52	24	100
Harkness, A. L.	31	31	6	6	10	17	3	23	29	19	23	35	38	30	21	25	35	57	67	37	12
Harris, R. C.	8	32	13	13	10	50	44	30	19	98	15	83	38	29	*	85	30	67	53	39	37
Harrison, E.	29	11	11	11	9	39	11	28	29	56	35	66	93	15	29	56	31	66	67	31	105
Harrison, R. L.	32	54	11	11	40	14	18	90	91	25	3	49	96	41	89	56	13	9	7	49	65
Hett, S.	47	12	26	26	48	37	60	49	60	76	31	27	52	52	94	89	98	78	38	53	92
Houston, R. S.	10	62	16	16	17	40	7	10	7	18	1	3	4	9	14	4	4	23	17	11	8
Johnston, C.	42	54	4	4	52	4	54	35	19	12	4	20	8	3	20	5	4	43	17	53	103
Jones, G. R.	87	54	18	18	31	32	49	63	39	*	21	73	63	49	73	*	78	67	84	41	95
Keith, H. P.	92	49	33	33	29	40	29	76	58	*	35	96	80	63	49	97	*	99	84	41	8
Lang, J. L.	100	95	30	30	55	34	35	55	74	23	2	46	44	14	4	6	24	3	7	8	1

II. Year—Continued.

	Drawing.	Construction Notes.	Thesis.	Field Notes.	Practical Mineralogy.	Practical Chemistry.	Experimental Optics.	Exp. Hydrostatics.	Calculus.	Astronomy.	Spherical Trigonometry.	Descriptive Geometry.	Surveying.	Strength of Materials.	Dynamics.	Optics.	Hydrostatics.	Applied Chemistry.	Geology.	Metalurgy.	
Civil Engineering.	108	108	42	63	60	108	113	113	108	42	105	108	63	108	105	113	113	113	68	113	
MacInnes, J. M.	60	54	33	19	*	60	24	25	82	41	52	44	37	86	73	99	*	38	56	111	
Mackay, A. G.	64	24	24	46	24	49	60	52	28	11	60	89	33	68	90	71	17	52	17	32	
Mackinnon, W.	56	28	38	8	9	29	63	60	57	17	20	11	21	46	85	19	37	38	11	27	
McFarlane, J. B.	12	Ex	Ex	10	1	Ex	Ex	Ex	Ex	5	Ex	13	4	11	10	Ex	Ex	28	9	4	
McGregor, J. M.	101	90	35	25	18	87	63	64	57	38	70	*	61	98	94	95	84	84	*	109	
McNab, J. V.	24	62	28	10	10	35	35	19	17	14	17	26	5	24	30	1	1	17	37	6	
McQuarrie, M. K.	58	37	18	10	26	24	63	64	14	19	2	31	21	24	25	17	44	17	37	37	
Menzies, J. M.	47	24	2	18	7	18	17	5	6	6	11	1	10	60	10	5	34	7	24	8	
Mitchell, B. F.	30	17	10	3	16	29	24	14	32	25	60	15	18	60	85	35	62	84	44	32	
Montague, F. F.	98	44	30	31	29	84	79	64	24	42	35	31	45	51	40	87	73	84	*	57	
Murdock, C. R.	45	44	13	15	35	73	79	25	97	24	86	96	46	80	*	104	102	28	*	92	
Near, W. P.	6	Ex	Ex	2	7	Ex	Ex	Ex	Ex	8	Ex	1	6	3	20	Ex	Ex	2	28	46	
Roddick, J. O.	106	*	35	40	40	71	100	91	82	37	86	100	56	94	67	*	62	67	31	89	
Rogers, C. H.	90	73	20	40	40	82	49	95	57	8	7	59	8	17	30	71	89	38	19	67	
Ross, K. G.	99	81	37	59	10	87	84	99	95	25	43	59	29	64	90	76	28	38	41	*	
Ross, R. C.	5	20	26	19	18	95	63	29	74	12	14	76	48	75	73	91	71	52	*	25	
Routly, H. T.	64	28	6	52	14	68	100	80	51	8	39	70	33	26	36	78	44	52	14	16	
Scott, W. A.	55	73	24	38	3	77	63	64	5	7	39	20	11	32	17	20	53	11	5	79	
Stewart, W. M.	64	42	3	47	13	97	76	86	25	16	55	18	7	39	6	50	8	17	26	4	
Thomson, A.	103	Ex	Ex	31	*	Ex	Ex	Ex	Ex	33	Ex	24	18	32	64	Ex	Ex	28	56	*	

II. Year.—Continued.

	Drawing.	Construction Notes.	Thesis.	Field Notes.	Practical Mineralogy.	Practical Lithology.	Practical Chemistry.	Prac. Chem. (Quant.)	Experimental Optics.	Exp. Hydrostatics.	Calculus.	Spherical Trigonometry.	Descriptive Geometry.	Surveying.	Strength of Materials.	Dynamics.	Optics.	Hydrostatics.	Applied Chemistry.	Geology.	Lithology.	Metallurgy.
Mining Engineering.	108	108	18	63	60	18	108	18	113	113	108	105	108	63	108	105	113	113	113	68	18	113
Banting, E. W.	52	38	2	5	35	6	49	1	90	103	63	39	70	33	86	57	84	86	67	28	12	63
Bates, M.	82	44	14	25	22	2	87	8	97	98	54	83	88	62	39	81	*	102	84	31	*	95
Bellisle, J. P.	82	38	2	25	40	*	29	6	58	74	46	66	63	25	64	44	84	39	38	49	7	27
Bissett, G. W.	78	62	9	55	*	6	84	9	100	100	79	43	100	27	*	97	97	62	67	56	14	85
Broadfoot, F. C.	58	*	..	19	24	6	4	5	63	14	57	32	100	41	83	*	35	27	52	13	5	67
Brown, T. W.	76	90	7	38	40	11	77	10	63	63	64	86	99	38	80	71	86	53	84	49	16	89
Evans, H. W.	108	81	8	6	18	2	87	2	14	19	20	48	38	24	*	44	50	67	3	21	5	39
Huber, W.	64	36	5	22	2	1	98	13	35	48	98	96	96	55	51	36	31	102	84	41	9	39
Lamb, G. J.	95	81	..	48	26	6	95	15	63	39	88	86	85	46	51	81	66	73	17	14	7	35
MacKenzie, K. A.	60	81	31	31	26	5	87	10	40	74	1	13	1	1	1	12	8	28	3	4	1	12
McKenzie, J. A.	85	90	9	22	53	*	87	7	100	100	38	52	47	11	44	22	20	14	28	31	13	54
Murphy, C. J.	105	90	Ex	40	50	*	Ex	Ex	Ex	Ex	42	26	55	41	39	15	Ex	Ex	38	Ex	11	39
Needlands, R.	87	Ex	9	44	12	10	73	3	24	14	19	55	67	15	39	34	44	12	52	49	2	20
Purser, R. C.	71	76	5	44	55	11	7	4	79	80	16	7	46	15	46	2	17	5	38	31	3	20
Rolfson, O.	101	62	9	59	49	2	80	14	108	*	45	39	38	15	16	93	53	57	84	39	9	39
Ryckman, J. H.	92	81	1	63	48	11	94	*	105	103	64	78	105	56	86	40	91	62	84	31	*	105
Stirrett, G. P.	70	38	14	59	18	*	29	10	105	103	64	32	89	27	76	61	78	101	*	21	4	57
Thomson, J. E.																						

III. Year.—Continued.

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II. Year.—Continued.

Architecture.	Drawing.	Thesis.	Construction Notes.	Field Notes.	Arch. Sketches.	Practical Chemistry.	Experimental Optics.	Exp. Hydraulics.	Calculus.	Optics.	Hydraulics.	Descriptive Geometry.	Surveying.	Strength of Materials.	Applied Chemistry.	Metallurgy.	Geology.	Hist. of Architecture.	Hist. of Ornament.	Orders of Architecture.
Creighton, A. G.	86	3	47	63	3	108	113	113	108	113	113	108	63	108	113	113	68	3	3	3
Daniels, W. N.	49	1	62	55	1	67	47	29	98	99	99	93	56	*	84	92	46	3	1	3
McConnell, A. W.	95	2	47	51	2	24	105	103	82	57	78	18	56	61	52	105	39	1	2	1

	<i>Thesis.</i>	<i>German.</i>	<i>Practical Chemistry.</i>	<i>Practical Electricity.</i>	<i>Experimental Optics.</i>	<i>Exp. Hydraulics.</i>	<i>Practical Mineralogy.</i>	<i>Physical Chemistry.</i>	<i>Geology.</i>	<i>Optics.</i>	<i>Hydraulics.</i>	<i>Applied Chemistry.</i>	<i>Metallurgy.</i>	<i>Electricity.</i>	<i>Organic Chemistry.</i>
	5	5	5	50	113	113	5	5	68	113	113	113	113	50	5
Beeman, J. J.	4	4	3	25	85	80	*	2	14	44	71	11	91	45	4
Beynon, D. E.	3	3	2	17	79	88	*	4	7	90	57	11	75	26	2
Forward, C. C.	1	1	1	44	10	39	1	1	3	3	6	3	1	4	1
Graham, C. W.	2	2	4	17	40	45	3	3	*	71	61	11	16	21	*
Pettingill, R. E.	5	5	5	40	49	48	2	4	9	57	97	11	37	*	3

III. Year.

	<i>Drawing.</i>		<i>Construction Notes.</i>		<i>Thesis.</i>	<i>Field Notes.</i>		<i>Experimental Physics.</i>	<i>Thermodynamics.</i>	<i>Hydraulics.</i>	<i>Descriptive Geometry.</i>	<i>Surveying & Levelling.</i>	<i>Least Squares.</i>	<i>Astronomy & Geodesy.</i>	<i>Applied Chemistry.</i>	<i>Geology.</i>	<i>Theory of Construction.</i>	<i>Theory of Comp'd Stress.</i>	<i>Electricity.</i>	
Civil Engineering.	66	66	23	33	23	66	66	38	33	33	23	67	34	23	28	34				
Barber, W.	1	4	2	2	1	3	2	1	1	3	1	4	8	1	2	7				H
Boeckh, J. C.	6	12	19	10	3	41	32	15	22	9	13	*	30	15	24	32				
Chase, A. V.	10	57	10	15	13	37	26	28	14	20	*	47	31	13	13	16				
Crosby, N. L. R.	1	16	4	3	1	4	13	2	4	5	6	19	2	1	4	6				H
Ferguson, G. H.	52	42	3	7	21	56	54	30	12	25	14	47	18	19	25	21				
Hendry, M. C.	6	34	8	5	13	45	54	21	21	22	11	38	14	7	16	2				
Jones, G. S.	9	18	19	6	7	50	54	23	12	22	6	47	24	21	17	4				
Latornell, A.	41	31	6	9	10	27	60	30	30	25	19	47	33	23	23	23				
Loudon, T. R.	4	35	5	25	6	9	6	4	4	7	11	25	6	3	3	9				H
McGregor, W. W.	26	25	16	27	7	45	32	11	3	7	8	11	4	6	7	4				H
O'Brien, E. D.	28	35	13	19	13	41	*	26	24	14	2	*	20	21	26	30				
Patten, B. B.	23	Ex	17	15	Ex	Ex	Ex	Ex	Ex	Ex	Ex	Ex	10	8	Ex	Ex				H
Phillips, E. P. A.	26	33	17	15	11	27	12	22	10	9	14	38	27	10	17	15				
Porte, W. B.	17	38	9	24	13	61	24	10	17	25	*	*	19	15	15	7				
Rayner, G. W.	14	44	23	19	13	31	48	4	28	9	*	38	27	12	21	25				
Stewart, D. L. N.	36	2	10	4	13	47	46	28	6	18	10	47	16	14	22	23				
Stewart, M. A.	10	50	6	11	4	*	32	20	11	16	*	25	10	18	11	25				
Sturdy, N. H.	1	39	15	1	7	47	41	15	27	22	14	47	24	11	19	11				
Swan, W. G.	13	57	13	7	21	*	32	6	9	17	18	19	21	20	13	14				
Sykes, F. H.	30	57	21	11	20	16	21	11	2	4	5	19	6	17	7	16				H
Traill, J. J.	24	25	12	22	4	30	7	7	8	14	4	7	1	4	6	9				H
Treadgold, W. M.	22	28	1	19	13	2	4	3	7	1	3	4	3	4	1	16				H
Wagner, H. L.	21	52	22	27	11	12	21	11	20	1	17	47	31	9	10	22				

	<i>Drawing.</i>		<i>Construction Notes.</i>		<i>Thesis.</i>	<i>Field Notes.</i>		<i>Practical Chemistry.</i>		<i>Practical Mineralogy.</i>		<i>Practical Assaying.</i>		<i>Thermodynamics.</i>		<i>Hydraulics.</i>		<i>Descriptive Geometry.</i>		<i>Surveying & Levelling.</i>		<i>Least Squares.</i>		<i>Applied Chemistry.</i>		<i>Metallurgy.</i>		<i>Geology.</i>		<i>Ore Deposits.</i>		<i>Mining & Ore Dressing.</i>		<i>Theory of Construction.</i>		<i>Electricity.</i>			
Mining Engineering.	66	66	10	33	10	11	11	66	66	38	33	33	67	11	34	10	10	10	34																				
Begg, W. A.	8	45	1	11	2	3	2	61	44	8	15	13	7	2	9	2	3	2	1																				H
Campbell, W. C.	55	52	2	25	10	7	4	55	51	30	25	5	38	*	29	9	9	4	28																				
Hertzberg, C. S. L.	45	44	6	33	7	9	11	59	*	30	32	31	29	9	*	10	6	10	3																				
Laing, P. A.	14	*	31	4	4	4	4	54	32	35	29	29	47	4	24	7	10	7	29																				
McKenzie, D. W.	42	23	8	22	8	6	9	37	51	26	31	29	47	7	13	7	7	5	12																				
McLean, W. N.	64	*	29	6	4	9	52	*	23	33	28	47	8	17	5	2	6	19																					
Pullen, E. F.	66	44	4	18	3	8	6	37	50	35	25	21	25	3	22	3	4	7	12																				
Ramsey, G. L.	42	52	4	30	9	2	8	59	62	37	23	*	29	*	14	6	7	3	33																				
Scott, G. S.	31	62	2	31	1	1	1	15	16	15	16	12	1	1	4	1	1	1	20																			H	
Young, W. H.	36	50	6	11	5	*	3	56	51	30	17	18	29	6	10	4	5	9	30																				

III. Year.—Continued.

	<i>Drawing.</i>	<i>Construction Notes.</i>	<i>Thesis.</i>	<i>Practical Electricity.</i>	<i>Thermodynamics.</i>	<i>Hydraulics.</i>	<i>Descriptive Geometry.</i>	<i>Applied Chemistry.</i>	<i>Theory of Construction.</i>	<i>Theory of Comp'd Stress.</i>	<i>Mechan. of Machinery.</i>	<i>Machine Design.</i>	<i>Electrical Design.</i>	<i>Electrochemistry.</i>	<i>Mag. & Electricity.</i>	<i>Alternating Current (3)</i>	<i>Alternating Current (3')</i>	
Mech. and Elec. Engineering.	66	66	33	33	66	66	38	67	5	28	33	33	28	28	33	5	28	
Arens, H. W.	14	48	24	20	35	38	14	47	1	20	16	24	..	..	24	4	..	
Armour, R. H.	39	39	22	18	24	32	..	38	..	..	16	18	15	5	7	..	7	
Aylesworth, C. B. .	31	5	4	9	10	18	..	2	..	..	4	4	1	10	2	..	2	H
Bell, G. G.	50	28	12	21	5	3	..	29	..	..	3	1	3	8	6	..	8	H
Bristol, W. M.	61	52	33	27	14	30	..	29	..	..	19	18	13	9	11	..	17	
Carson, W. R.	31	6	7	13	33	7	..	47	..	..	8	5	26	12	27	..	*	
Chantrell, E.	60	17	30	32	43	*	..	38	..	..	20	26	22	27	20	..	*	
Clement, S. R. A. .	57	43	28	29	17	25	..	19	..	..	14	26	18	23	20	..	16	
Corrigan, T. E. . .	50	20	8	9	24	30	..	25	..	..	4	13	12	16	7	..	13	
Dowling, F.	62	57	24	*	8	11	..	38	..	..	25	20	6	11	19	..	*	
Fierheller, H. S. .	28	9	6	21	17	16	..	29	..	..	13	13	11	17	5	..	5	
Harrison, F. W.	45	21	16	25	19	9	..	17	..	..	6	13	9	1	20	..	9	
Hewson, W. G.	57	52	10	6	22	19	..	47	..	..	29	26	23	20	10	..	14	
Kribs, G.	48	8	12	23	26	21	..	11	..	..	7	17	7	3	11	..	3	H
Leighton, J. W.	48	39	20	13	27	54	..	11	..	..	10	7	8	17	4	..	6	
McGorman, S. E. . .	47	35	1	13	22	13	..	47	..	..	25	10	15	25	*	..	*	
McLean, C. A.	38	62	22	3	7	5	..	7	..	..	2	3	4	7	9	..	4	H
Mace, F. G.	20	27	12	29	21	13	..	29	..	..	16	21	18	14	*	..	*	
Mace, T. H.	54	13	9	31	49	41	..	29	..	..	21	30	15	*	*	..	15	
Moffatt, R. W.	59	28	16	25	37	29	..	19	..	..	24	10	21	20	17	..	*	
Munro, G. R.	4	11	5	11	34	46	19	38	4	27	25	*	..	..	14	5	..	
Nicklin, W. G.	12	9	12	6	52	44	9	11	3	5	10	9	..	..	14	1	..	H
Richardson, W. L. .	35	31	31	8	63	54	..	47	..	..	*	31	13	23	23	..	18	
Ross, R. B.	31	14	3	4	19	10	..	17	..	..	30	7	5	6	2	..	10	H
Serson, H. V.	40	14	26	13	31	39	..	38	..	..	25	23	20	19	24	..	19	
Shirriff, C. H.	63	57	28	23	43	54	..	29	..	..	*	21	24	14	28	..	*	
Sisson, C. E.	18	1	21	1	1	1	..	11	..	..	1	2	2	2	1	..	1	H
Stubbs, W. F.	18	2	18	4	10	48	15	7	5	11	9	6	..	..	17	3	..	H
Thomson, L. R.	24	48	32	11	35	39	23	47	1	9	22	12	..	..	14	2	..	
Tillson, E. D.	44	6	2	2	6	28	..	11	..	..	14	24	25	20	24	..	11	
Turner, W. E.	56	21	18	13	12	19	..	2	..	..	10	13	10	4	13	..	12	
Uren, A. E.	65	18	26	30	50	26	..	47	..	..	31	*	27	25	28	..	*	
Vaughan, J. M. ...	52	24	11	18	56	41	..	19	..	..	23	26	*	13	28	..	20	

Applied Chemistry.

T. E. Rothwell secured pass standing. The subjects are: German, Practical Chemistry, Practical Mineralogy, Assaying, Metallurgy, Geology, Biology, Organic Chemistry, Applied Chemistry and Electricity.

IV. Year.

NOTE—Candidates are arranged in alphabetical order.

SCHOOL OF PRACTICAL SCIENCE CERTIFICATE.	THESIS.	THERMODYNAMICS AND THEORY OF HEAT ENGINES.
<i>Honours.</i>	<i>Honours.</i>	<i>Honours.</i>
Campbell, A. M.	Code.	McGibbon.
Christie, U. W.	Ford.	Shipe.
Code, T. F.	Gray.	
Crerar, S. R.	Greenwood.	<i>Pass.</i>
Davison, A. E.	McCuaig.	Bonnell.
Gray, W. W.	McGibbon.	Calder.
Greenwood, W. K.	Montgomery.	Campbell, A. M.
McCuaig, O. B.	Parke.	Davison.
McGibbon, C. P.	Raymond.	Gibson.
Sheply, J. D.	Roxburgh.	Gray.
Shipe, H. M.	Shipe.	Greenwood.
Thomson, S. E.	Walker.	Larkworthy.
Townsend, D. T.	Williams.	McCuaig.
Walker, E. W.	Wright.	McKay.
Williams, C. G.	Young.	Pace.
Worthington, W. R.		Roxburgh.
Young, C. R.		Smither.
	<i>Pass.</i>	Townsend, C. J.
<i>Pass.</i>	Bonnell.	Tucker.
Bonnell, M. B.	Burwash.	White.
Burwash, N. A.	Calder.	Wright.
Calder, J. W.	Campbell, A. J.	
Campbell, A. J.	Campbell, A. M.	
Depew, H. H.	Christie.	
Ford, A. L.	Crerar.	
Gibson, W. S.	Davison.	
Hanes, G. S.	Depew.	
James, E. A.	Gibson.	
Jermyn, P. V.	Hanes.	
Larkworthy, W. J.	James.	
McAuslan, H. J.	Jermyn.	
McEwen, G. G.	Larkworthy.	
McKay, C. D.	McAuslan.	
Marriott, F. G.	McEwen.	
Montgomery, R. H.	McKay.	
Pace, G.	Marriott.	
Parke, J.	Pace.	
Peaker, W. J.	Peaker.	
Raymond, D. C.	Rutherford.	
Roxburgh, G. S.	Sheply.	
Rutherford, F. N.	Smither.	
Smither, W. J.	Thomson.	
Townsend, C. J.	Townsend, D. T.	
Trimble, A. V.	Townsend, C. J.	
Tucker, B. B.	Trimble.	
White, H. F.	Tucker.	
Wright, W. F.	White.	
	Worthington.	
		ELECTRICITY AND MAGNETISM.
		<i>Honours.</i>
		Campbell, A. M.
		Shipe.
		<i>Pass.</i>
		Depew.
		Gray.
		Greenwood.
		McCuaig.
		McGibbon.
		McKay.
		Pace.
		Peaker.
		Roxburgh.
		Smither.
		Thomson.
		Tucker.
		Wright.

HYDRAULICS.	STRENGTH AND ELASTICITY OF MATERIALS.	ASTRONOMY.
<i>Honours.</i> Campbell, A. J. Ford. Townsend, D. T. Young. <i>Pass.</i> Christie. Crerar. Gibson. James. Jermyn. McAuslan. McEwen. Raymond. Sheply. Thomson. Townsend, C. J. Trimble. Walker. Worthington.	<i>Pass.</i> Christie. Davison. James. Jermyn. Raymond. Trimble. Worthington.	<i>Honours.</i> Code. Montgomery.
	MINERALOGY AND GEOLOGY.	GEODESY AND METROLOGY.
	<i>Honours.</i> Williams. <i>Pass.</i> Burwash. Hanes. Parke. Rutherford.	<i>Honours.</i> Code. Montgomery.
STRENGTH AND ELASTICITY OF METALS.	METALLURGY AND ASSAVING.	SANITARY AND FORENSIC CHEMISTRY.
<i>Honours.</i> Campbell, A. J. Crerar. Ford. McAuslan. McEwen. Sheply. Townsend, D. T. Walker. Young.	<i>Honours.</i> Williams. <i>Pass.</i> Burwash. Hanes. Parke. Rutherford.	<i>Honours.</i> Marriott.
		INORGANIC AND ORGANIC CHEMISTRY.
		<i>Pass.</i> Marriott.

Supplemental Examinations Passed.

FIRST YEAR SUBJECTS.

- Statics*.—B. F. Mitchell, G. C. Arnott, A. Crawford, N. R. Robertson.
Dynamics.—M. H. Baker, J. M. MacInnes, J. P. Gordon.
Euclid.—R. E. C. Chadwick, R. E. Pettingill, G. N. Molesworth.
Analytical Geometry.—W. N. Daniels, W. C. Campbell, A. W. Campbell, H. C. Maguire, W. A. Maxwell, H. P. Keith.
Descriptive Geometry.—L. C. McDonald, C. W. Graham, L. R. Miller, H. C. Ritchie, O. B. Holmes.
Mineralogy.—G. W. Bissett, J. H. Ryckman, R. E. Pettingill, G. R. Jones, H. P. Keith, B. F. Mitchell, C. H. Rogers, E. S. G. Strathy, W. C. Taylor.
Practical Mineralogy.—G. R. Jones, H. P. Keith.
Algebra.—C. W. Graham, W. C. Taylor, G. C. Arnott.
Surveying.—W. N. Daniels, W. S. Grady, S. L. Fear, D. G. Park, A. B. Silcox, A. B. Cook, O. B. Holmes, J. M. MacInnes.
Elementary Chemistry.—M. H. Baker, E. Harrison, S. Hett, R. S. Houston.
Trigonometry.—A. W. Campbell, C. S. Grasett.
Electricity.—S. L. Fear.
Practical Electricity.—H. H. Betts, F. R. McDonald, L. R. Miller.
Electricity and Magnetism.—C. A. Clendenning.

SECOND YEAR SUBJECTS.

- Hydrostatics*.—G. R. Munro, P. M. Yeates, E. A. Henry.
Thesis.—S. R. A. Clement, E. D. O'Brien, G. W. Rayner.
Construction Notes.—S. R. A. Clement, H. S. Fierheller, J. W. Leighton, E. F. Pullen.
Spherical Trigonometry.—W. L. Richardson, L. R. Thomson, G. H. Ferguson, G. S. Jones.
Dynamics.—J. P. Charlebois, A. E. Uren, N. H. Sturdy.
Calculus.—F. Dowling, C. J. Townsend.
Strength of Materials.—R. B. Ross, C. J. Townsend.
Descriptive Geometry.—F. G. Mace, C. S. L. Hertzberg.
Applied Chemistry.—E. Chantrell, J. W. Leighton, L. W. Morden, R. B. Ross, C. H. Shirriff, A. E. Uren, F. B. Reid, J. C. Boeckh.
Mineralogy.—M. C. Hendry.
Practical Mineralogy.—M. C. Hendry, E. F. Pullen,
Geology.—E. A. Henry, W. G. Swan, A. E. Jupp, W. A. Campbell.
Metallurgy.—J. C. Boeckh, F. Dowling, L. W. Morden, S. E. Thomson.
Surveying.—G. H. Ferguson, G. S. Jones, C. S. L. Hertzberg, P. A. Laing, D. L. N. Stewart, D. W. McKenzie.
Practical Electricity.—E. Chantrell, T. H. Mace, C. H. Shirriff.

THIRD YEAR SUBJECTS.

- Compound Stress*.—F. B. Reid, W. J. Larkworthy.
Astronomy and Geodesy.—D. A. Smith.
Electricity.—H. E. Beatty, S. B. Code, J. G. Fleck.

- Theory of Construction*.—S. B. Code.
Thesis.—P. C. Coates.
Construction Notes.—P. C. Coates.
Metallurgy.—S. N. Hill.
Machine Design.—M. B. Bonnell, H. H. Depew, G. S. Roxburgh, F. W. Slater.
Mechanics of Machinery.—H. H. Depew, F. W. Slater.
Magnetism and Electricity.—M. B. Bonnell, W. J. Peaker, C. J. Townsend.
Hydraulics.—C. J. Townsend.

Supplemental Examinations to be taken.

FIRST YEAR SUBJECTS.

Practical Mineralogy.—W. J. Bishop, F. H. Chesnut, W. Jackson, F. H. McKechnie, W. S. Malcolmson, E. W. Murray, A. E. Nourse, C. A. Scott, H. E. Rothwell, D. H. C. Mason.

Algebra.—W. L. Klingner, A. E. Nourse, J. L. G. Stuart, H. W. Sutcliffe, W. E. Zinkan, H. C. Doorly, H. G. Akers.

Euclid.—F. J. Anderson, A. W. Pearson, R. B. Potter, R. J. Gibson, R. E. S. Beckstedt, H. H. Cummer, R. D. Fraser, H. F. Shearer, R. G. Lewis, R. M. Coleman, H. M. Fletcher.

Trigonometry.—A. M. Carroll.

Descriptive Geometry.—F. J. Anderson, C. T. Hamilton, F. J. Hara, F. H. McKechnie, W. S. Malcolmson, G. G. Mills, A. W. Pearson, H. G. Akers, H. H. Cummer, E. S. File, E. R. Smithrim, A. F. Wilson, A. Crawford, R. A. N. Hare.

Statics.—C. S. Clendening, G. A. Dawson, A. P. Augustine, W. J. Bishop, W. J. Bruce, A. B. Cook, E. S. G. Strathy, C. A. Clendening, J. C. Hartney, C. S. Dundass.

Dynamics.—W. J. Bruce, R. Y. Cory, E. G. Hewson, A. A. Ridler, W. A. Siegner, J. L. G. Stuart, H. W. Sutcliffe, V. Culbert, M. D. Kennedy, F. A. McGiverin, F. P. Page, G. A. Dawson, A. H. Qua, P. C. Fux, E. L. Cousins.

Surveying.—R. Y. Cory, C. T. Hamilton, F. J. Hara, H. F. H. Hertzberg, M. Copeland, H. M. Hyland, L. W. Klingner, J. H. Lindsay, G. G. Mills, E. W. Murray, R. E. K. Neelands, A. A. Ridler, C. A. Scott, V. Culbert, F. A. McGiverin, C. C. Bothwell, G. A. Campbell, C. S. Clendening, E. S. File, G. C. Francis, R. D. Fraser, K. Hall, H. O. Hill, C. H. Hutton, L. G. Ireland, K. C. McCully, F. W. McNeill, H. V. Maynard, F. Prochnow, A. B. Richardson, C. W. B. Richardson, H. F. Shearer, C. G. Toms, A. F. Wilson, M. H. Woods.

Chemistry.—C. Flint, B. C. Jackson, C. B. B. Connell, G. P. Coulter, A. H. Qua, W. J. Foster, C. W. Power, J. M. Wilson.

Mineralogy.—F. H. Chesnut, M. Copeland, J. H. Lindsay, W. A. Siegner, J. A. Stiles, M. D. Kennedy, B. C. Jackson, F. P. Page, W. E. Zinkan, F. A. Robertson, C. W. Power, G. A. Creighton.

Electric Circuits.—G. C. Francis, N. E. Smith, E. R. Smithrim, R. G. Lewis, F. A. Robertson, D. H. C. Mason, A. M. Carroll, F. R. Macdonald, H. C. Maguire, G. N. Molesworth, H. C. Ritchie.

Electricity and Magnetism.—R. D. S. Beckstedt, H. V. Maynard, H. E. Rothwell, P. C. Fux, F. R. Macdonald.

Practical Electricity.—F. W. Baldwin.

SECOND YEAR SUBJECTS.

Construction Notes.—P. W. Greene, A. G. Mackay, J. O. Roddick, A. W. Campbell, R. L. Sewell, F. C. Broadfoot, G. W. Rayner, D. W. McKenzie.

Practical Chemistry.—G. P. Stirrett.

Practical Mineralogy.—G. W. Bissett, A. H. Arens, E. L. Cousins, J. M. MacInnes, A. Thomson.

Practical Lithology.—J. P. Bellisle, G. J. Lamb, C. J. Murphy, R. Neelands, J. E. Thomson, J. J. Beemán, D. E. Beynon.

Practical Electricity.—W. E. Wickett.

Experimental Hydrostatics.—J. H. Ryckman.

Calculus.—N. R. Robertson, G. R. Jones, H. P. Keith, J. P. Charlebois, W. L. Richardson, H. S. Southworth, W. N. McLean.

Optics.—M. Bates, H. P. Keith, J. O. Roddick.

Hydrostatics.—J. M. MacInnes.

Descriptive Geometry.—J. M. McGregor, J. D. Keppy, P. A. Laing.

Spherical Trigonometry.—G. Glendinning, H. E. Brandon.

Strength of Materials.—R. C. Harris, G. W. Bissett, H. W. Evans, G. J. Lamb, W. N. Daniels, G. C. Arnott, S. L. Fear, J. D. Keppy, N. R. Robertson, A. B. Silcox.

Dynamics.—G. R. Jones, C. R. Murdock, F. C. Broadfoot, H. W. Evans, G. C. Arnott, A. B. Silcox.

Applied Chemistry.—J. E. Thomson, C. H. L. Pennington, P. M. Yeates, D. L. N. Stewart.

Metallurgy.—K. G. Ross, A. Thomson.

Geology.—A. H. Arens, O. B. Bourne, J. M. McGregor, F. F. Montague, C. R. Murdock, R. C. Ross, A. G. Creighton, C. W. Graham, H. S. Southworth.

Lithology.—M. Bates, G. P. Stirrett.

Organic Chemistry.—C. W. Graham.

Theory of Mechanism.—W. S. Brady, H. E. Brandon, S. L. Fear, R. H. Hopkins, C. H. L. Pennington.

Electricity.—W. S. Brady, J. C. Hartney, R. E. Pettingill, W. E. Wickett.

THIRD YEAR SUBJECTS.

Note.—These Subjects must be passed before proceeding to the Fourth Year.

Practical Electricity.—F. Dowling.

Construction Notes.—P. A. Laing, W. N. McLean.

Practical Mineralogy.—W. H. Young.

Thermodynamics.—M. A. Stewart, W. G. Swan.

Hydraulics.—E. D. O'Brien, C. S. L. Hertzberg, W. N. McLean, E. Chantrell.

Theory of Construction.—R. W. Morley.

Compound Stress.—R. W. Morley.

Least Squares.—G. L. Ramsey.

Astronomy and Geodesy.—A. V. Chase, W. B. Porte, G. W. Rayner, M. A. Stewart.

Applied Chemistry.—J. C. Boeckh, E. D. O'Brien, W. B. Porte.

Metallurgy.—W. C. Campbell, G. L. Ramsey.

Geology.—C. S. L. Hertzberg.

Electrochemistry.—T. H. Mace.

Magnetism and Electricity.—S. E. McGorman, F. G. Mace, T. H. Mace.

Electrical Design.—J. M. Vaughan.

Machine Design.—G. R. Munro, A. E. Uren.

Mechanics of Machinery.—W. L. Richardson, C. H. Shirriff.

Alternating Currents.—W. R. Carson, E. Chantrell, F. Dowling, S. E. McGorman, F. G. Mace, R. W. Moffatt, C. H. Shirriff, A. E. Uren.

FOURTH YEAR SUBJECTS.

Thermodynamics and Theory of Heat Engines.—H. H. Depew, W. J. Peaker.

Electricity and Magnetism.—M. B. Bonnell, J. W. Calder, W. J. Larkworthy, H. F. White.

